

33. *Vital statistics.*—Under this head the Lieutenant-Governor deems it advisable to reproduce the remarks he has already recorded in reviewing the report of the Sanitary Commissioner for 1889, as follows :—

"Births are now registered in 137 municipal towns with an aggregate census population of 2,422,994. The ratio of registered births is only 22·76 per thousand, the ratio of male births being 12·05, against female births 10·70. Dr. Gregg observes that the supposed standard of birth-rate in India is 40 per thousand, and it is probably even higher than this. There are indeed six municipalities in Bengal in which the statistics of birth exceed this ratio; but there are no less than 15 in which the statistics are so imperfectly recorded that the ratio is less than 10 per thousand. Among these is South Suburban Municipality, where the ratio is 7·47. In four municipalities—Muktagacha, Jhalokati, Goberdanga, and Nasirabad—the ratio is less than 5 per thousand. In a large and wealthy municipality like Patna the ratio is only 12·98, in Buxar it is 14·71, in Purneah it is 15·45, in Midnapore it is 15·73, in Jessore it is 16·71, in Dacca it is 17·71, in Cuttack it is 17·83, in Berhampore it is 18·89, and in Krishnaghur it is 19·68. When the registration in important municipalities, at the head-quarters of districts, is still so defective, it appears to be hopeless to attempt registration with any approximation to accuracy in rural areas. It is true that the registration for 1889 show a slight improvement over that of 1888, when the ratio of births was only 20·63; but the result is still very discouraging, and shows that municipalities as a body do not pay attention to this elementary and very necessary portion of their duties. The Lieutenant-Governor has observed that during the current year, according to the statements published weekly in the Gazette, birth registration is still extremely deficient.

The same remarks are applicable to the registration of deaths in municipalities. The registered mortality in 1889 was 25·03 per thousand, against 24·86 per thousand in 1888. The statistics recorded vary very widely in different municipalities, as the following figures will show :—

	1889.	1888.	Mean of 1884-88.		1889.	1888.	Mean of 1884-88.
Pooree	71·4	32·9	50·8	Cuttack	20·0	16·2	17·6
Purulia	49·5	50·3	28·8	Furzedpore	19·0	8·8	21·3
Rungpore	47·2	33·6	33·7	Arrah	16·6	21·6	16·7
Serampore	46·0	40·6	38·6	Krishnaghur	16·3	14·8	23·5
Raneegunge	42·3	45·1	30·9	Patna	15·9	21·0	22·5
Gya	42·2	49·3	49·8	Chittagong	15·0	18·7	21·7
Jamulpore	38·5	38·7	39·0	Santipore	11·7	9·4	13·5
City Moorshedabad	37·9	33·8	39·4	South Suburban	11·2	12·7	14·7
Utterpara	37·7	29·0	23·7	Ranaghat	10·9	6·6	11·4
Baranagore	36·8	30·6	24·4	Kishoregunge	10·9	8·4	17·5
Dinagapore	33·4	31·5	21·9	Baduria	8·6	10·5	11·9
Hooghly	31·8	27·5	39·1	Tangail	5·3	9·2	18·9

The small improvement effected in the registration as a whole during the past year may be attributed to the special circular issued by Government on the subject, and to the action taken by the Sanitary Commissioner in supplementing the instructions then promulgated; but the registration in many municipalities is still deplorably defective. There can be no reason why, under proper administrative arrangements, the registration should not be as complete at Patna and Arrah as it is at Gya, for instance, or in Ranaghat and Santipore as it is in Serampore and Utterpara. The South Suburban town is again conspicuous for its imperfect registration. The two newly-created municipalities of Cossipore-Chitpore and Manicktollah, where in the former case, a mortality is registered of 38·9 per thousand, and in the latter only 14·5 per thousand, afford a marked illustration of good and bad work in adjoining localities. It is obvious that these figures supply very little scope for any observation on the comparative health of municipalities during the year."

34. Sir Stuart Bayley is well aware that attention is now being devoted to the registration of these statistics, and he is confident that every year will show further improvement. But the point is one of real importance on which it is necessary to lay special stress; for the efficiency of municipal administration must always be judged in a large measure by the success which attends the accurate registration of births and deaths, which are the very basis of sanitary enterprise, and in all civilised countries are recorded with the greatest accuracy.

35. *Loans and Sanitation.*—The policy of Government in regard to loans was fully stated in last year's Resolution, and every encouragement is now offered to municipalities to apply for loans for the execution of well-considered schemes of improvement. The following applications have been sanctioned within or immediately after the close of the year :—

(a) *Dacca.*—The municipality applied for a loan of Rs. 1,25,000 for extending the water-works to some parts of the town which were not hitherto supplied with filtered water. Rs. 30,000 was advanced during the year, and the balance will be advanced during the current year.

- (b) *Dinagepore*.—In March 1890 orders were issued sanctioning the grant of a loan of Rs. 10,000 to the Dinagepore Municipality for the completion of the drainage works in that town.
- (c) *Rampore Beaulah*.—In April 1890 sanction was accorded to the grant of a loan of Rs. 15,000 applied for by the Rampore Beaulah Municipality for the construction of drainage works.
- (d) *Bankoora*.—A loan of Rs. 5,000 was applied for and sanctioned to the Bankoora Municipality in June 1890 for improving the water-supply in that town by sinking six wells and acquiring and excavating a big tank in the centre of the town.
- (e) *Pooree*.—The municipality applied for a loan of Rs. 25,000 for the improvement of the drainage of that town. But as the scheme submitted by the municipality was not approved by the Public Works Department of Government and has to be revised in that Department, the application for the loan has been held in abeyance.
- (f) *Sooree*.—The Sooree Municipality obtained a loan of Rs. 1,000, repayable in four years without interest, from Raja Ram Ranjan Chakrabartty, Bahadoor, of Hetampore, for establishing a municipal market called the "Jubilee Market."

Proposals for loans to the Midnapore, Chupra, and Mozufferpore Municipalities for the improvement of the drainage of those towns have been under consideration, but as the schemes were not matured in any of these places, no final orders have been passed. The Serampore Municipality applied for a loan of Rs. 30,000 for improving drainage, and a notification was published in May 1890, as required by the rules, declaring the intention of the Lieutenant-Governor to sanction the application; but up to the present time no further action has been taken. The Commissioner of the Chota Nagpore Division reports that Rajah Nilmoni Singh Deo of Pachet offered a contribution of Rs. 5,000 towards the cost of improving the water-supply of the town of Purulia, and has since the close of the year paid up Rs. 1,000 as part of his donation. As, however, a larger provision of funds will be necessary for the works, the Municipal Commissioners contemplate borrowing a sum of Rs. 10,000 from Government. The scheme for the Howrah water-works is still under the consideration of Government and it is probable that for this undertaking a comparatively large loan amounting to not less than ten lakhs of rupees will be necessary.

36. Upon the whole, the Lieutenant-Governor is not disappointed with the manner in which municipalities have availed themselves of the more liberal policy inaugurated by Government, and he is quite sure that a very profitable use is being made of the loans already granted. But he would be glad to see the larger municipalities, especially those in Behar, more forward to appreciate the necessity of capital expenditure. He has no doubt that in a short time there will be greater willingness in this direction. It must not be forgotten that municipal administration in Bengal is still in its infancy, and that the Commissioners generally have had no opportunity of appreciating the enormous benefits which result from capital outlay on sanitary and other works. The total expenditure incurred on sanitation in municipalities in Bengal last year (excluding Calcutta) was only Rs. 12,81,031, and the total of loans which had been raised by these municipalities for purposes of sanitary improvement up to the close of the year was less than three lakhs of rupees. By way of comparison it may be mentioned that the single town of Liverpool expended on sanitary improvement during the year 1887-88 the sum of £1,102,004; that the outstanding loans of the Liverpool urban sanitary authority at the close of that year were £3,284,984; that the expenditure in that year of 271 municipal boroughs in England acting as urban sanitary authorities was £15,894,457, and that the amount of outstanding loans of extra metropolitan municipalities was £152,557,155. Of course it is out of question for Bengal Municipalities to expend anything approaching to these vast sums on sanitary improvement, but the figures are quoted as being calculated to impress the imagination with the contrast in municipal development between India and Europe; and although the beginnings in Bengal are very small, it may be hoped that they will rapidly increase, and

that improvements in one town will not fail to stimulate other municipalities to rival its success.

37. *Enforcement of section 63 of the Act.*—The provisions of the section empowering the Commissioner of the Division and the Magistrate of the district to suspend the execution of any resolution or order, or prohibit the doing of any act by the Commissioners of a municipality, when such resolution or order or act is in excess of the powers conferred by the law, or is likely to lead to serious breach of the peace, or to cause serious injury or annoyance to the public or to any class or body of persons, were enforced in three municipalities during the year, viz., Dacca, Colgong, and Arrah. The circumstances were unimportant in all cases, and need not be especially noticed.

38. *Miscellaneous.*—The tramway in the town of Patna was completed and was in working order during the year. The length of the tramway is nearly seven miles with 11 sidings to enable cars to cross each other. The total number of passengers carried up to 31st March last was 151,260. There was only one serious accident during the year.

There were serious outbreaks of fire in the municipalities of Nattore, Bogra, and Rungpore, attended with loss of property, but no lives were lost. Great damage was done to the roads by the high floods in Coomarkholly, Nuddea, and Santipore. In Moorshedabad there was an unusual flood during the year, and considerable portions of Lalbagh and Azimgunge were under water. The Nawab Bahadoor of Moorshedabad contributed about Rs. 3,000 for giving relief to the poor in Lalbagh, and Rai Dhunput Singh, Bahadoor, and Rai Bepin Chand and Rai Budh Singh Dudhuria, Bahadoor, subscribed Rs. 500 and 100 respectively for relief of the Azimgunge people who suffered from the flood. In the Manicktollah Municipality a fire occurred, causing damage to the extent of about Rs. 40,000.

In April 1889 a tornado passed over some of the villages within and about the Tangail Municipality. Its duration was very short, and it extended over a distance of five miles. It is reported that 139 human lives were lost and 242 persons seriously wounded. The loss of property was estimated at Rs. 19,000. A sudden somewhat similar blast of wind also visited the town of Nalchitti on the night of the 27th October 1889. Its duration was a few minutes only, and it extended over an area of about a mile. Some damage to property was caused, but no lives are reported to have been lost.

39. *Working of the Porters and Dandiwallas Act, V (B.C.) of 1883, in Darjeeling.*—The Act did not work satisfactorily during the year, and the table of rates for the hire of porters and dandiwallas was revised. Seventeen prosecutions were instituted and 15 convictions obtained. Three hundred and forty-seven dandiwallas and 229 porters were registered and 494 badges were issued. The cost incurred in the working of the Act was Rs. 170.

40. *Working of the Pilgrims' Lodging-house Act IV (B.C.) of 1871.*—In Pooree the total receipts during the year, including the opening balance of Rs. 3,983-5-2, amounted to Rs. 12,443-14-11, and the expenditure to Rs. 11,255-11-4, against Rs. 18,176-11-4 and Rs. 14,193-6-2 respectively of the preceding year. Excluding the opening balance, the receipts show an increase of nearly Rs. 3,000 over the preceding year. The sum of Rs. 5,000 was paid to the municipality for the cost of conservancy and sanitary improvement of the town. The number of lodging-houses increased from 194, capable of accommodating 5,433 lodgers, to 417, capable of accommodating 11,170 lodgers. Sixty-two pukka drains and 363 pukka latrines were constructed within house premises, and in 408 houses the rooms were provided with suitable windows. The total amount of fines realised amounted to Rs. 911-2-6, against Rs. 1,074-9 in the previous year. Besides contributing largely to the pilgrim hospital in the town of Pooree, the Lodging-house Committee continued to maintain the Pipli and aid the Baliana dispensaries. Altogether the Act worked satisfactorily.

41. The total receipts of the Gya Lodging-house Fund amounted to Rs. 18,400-7-2 (including the balance of the previous year), and the total expenditure was Rs. 13,193-2-11, leaving a balance of Rs. 5,207-4-3. The number of new certificates issued under the Act was 12, against 27 in the preceding year. Four hundred and five licenses were issued, against 476 of 1888-89, and the number of lodgers was 11,659, against 13,485. Altogether 63 prosecutions

were instituted, all of which were disposed of, 57 cases ending in conviction and 6 in acquittal. The total amount of fines imposed was Rs. 211, against Rs. 240. A further sum of Rs. 4,181-4-10 was spent in completing the cholera hospital. The hospital was formally opened in September last for the treatment of sick pilgrims in the old town of Gya. Forty-five cases were treated, of which 27 were cholera cases. There was no epidemic in the lodging-houses. They were kept in good order, and measures were adopted to keep them clean. All the houses are reported to have been regularly inspected by the Health Officer during the pilgrim season. The working of the Act appears, on the whole, to have been satisfactory.

42. In Raneegunge the Act could not be brought into working order, and the town has eventually been withdrawn from its operation after the close of the year.

43. At Chandbally the income of the year, including the opening balance, was Rs. 921 and the expenditure Rs. 655. Two pucca urinals were constructed, a tank was improved, and a large pucca well was sunk at the cost of the Lodging-house Fund. A sufficient number of sweepers was employed to sweep the streets and keep the urinals and public latrines in good order. The Act is reported to be working satisfactorily, and the difficulty which used to be felt in inducing the lodging-house keepers to apply for licenses has passed away.

44. The working of the Lodging-house Act in the town of Garbetta was transferred during the year to the District Board of Midnapore, the special committee under the Act being abolished. The District Board has also been entrusted with the working of the Act at Dantoon, another town on the Jagan-nath road in the Midnapore district.

45. *General working of the Municipal Act, III (B.C.) of 1884.*—The Commissioner of the Burdwan Division observes:—

Burdwan Division.

“Great credit is due to Rai Nalinaksha Basu, Bahadur, and to Baboos Eshan Chandra Mitter and Siv Narain Mukerjee, Chairmen of the Burdwan, Hooghly, and Utterpara Municipalities respectively, for their successful administration during the past year. Other Chairmen have also done good work, and so have many of the Vice-Chairmen and members of various municipalities, but their names are too numerous for detailed mention within the limits of this report. On the whole I consider that, in spite of many faults of omission and commission, the municipalities in this Division have worked successfully and have made good use of the funds at their disposal. They are more suited to consultative than to outdoor executive work, and are chiefly dependent for the latter on their Chairman, Vice-Chairman, and subordinates. If no great progress has been made in sanitary and other improvements, it has been due to the want of means rather than to the want of will. The weakest point in the administration of the various municipalities is, I consider, the want of effective outdoor supervision.”

46. The Commissioner of the Presidency Division remarks:—“The Act, on the whole, worked well. Both the elected and nominated Commissioners continue generally to take interest in their duties, and the work has been carried on smoothly. I agree with Mr. Forbes in thinking that the party dissensions which so frequently interfered in certain municipalities with the unanimity of their proceedings during the first years of the new system seem to be gradually abating.”

Presidency.

47. Speaking of the municipalities in Rajshahye, the Magistrate writes:—

Rajshahye.

“The Beaulah Corporation has discharged its duties very satisfactorily. The relation between me and the Corporation has always been cordial, the Commissioners always showing their willingness to consider the suggestions made by me, and proving themselves always amenable to reason and friendly advice. The Nattore Municipality has also worked very ably. But I would like to see more coherence in the members; they should lay aside all party spirit and work in harmony for the public good. It would be well also if they tried to enlist, not only the sympathies, but the active co-operation of the local zemindars and the people in the introduction of the very many sanitary improvements which the town is sadly in need of.” The Magistrate of Rungpore writes:—“The Chairman and Vice-Chairman are both pleaders, busy men, and unable to give their attention to outdoor work. They do their best, and the town is greatly indebted to them for their public spirit. It is, however, much to be wished that, in case

of vacancy in either office, it may be filled by a non-professional resident, able to give more time and attention to inspection." The Deputy Commissioner of Julpigoree, who is also the Chairman of the local municipality, writes thus:—"The provisions of the Act have worked well and without friction throughout the year, though it was found necessary to sacrifice somewhat the interest of municipal funds with regard to the registration of carts owing to the peculiar relation the town bore to the surrounding district. Hundreds of carts passed through the municipality, but as they were shown not to ply habitually, they were exempted from paying registration fees. The Commissioners have evinced great interest in the welfare of the municipality, as evidenced by the interest and trouble they took in the registration of births and deaths. It would be invidious to point out any individual while all have shown such interest, but the names of Baboos Nilmony Pal, Kedarnath Mookerjee, and Moonshee Abdul Hamed require special mention."

The Commissioner of the Rajshahye Division writes:—"The Rampore Beaulah Commissioners showed a want of firmness in dealing with the opposition encountered in the attempt to revise the tax, but from what I have seen of the working of the municipalities as a whole, I have had reason to be very well satisfied with the manner in which the Commissioners have discharged their duties."

48. The Magistrate of Dacca has recorded the following opinion of the working of the Act in his district:—"I have no remarks to make except to regret that more has not been done to keep the principal roads in better repair. The bad condition of the Naraingunge road within municipal area has been repeatedly brought to the notice of the municipality for the last three years, but with no effect. The year has in many respects been one of fairly successful administration." The Magistrate of Backergunge writes as follows:—"In all the municipalities improvements have been effected and the Committees have worked smoothly. In Burisal in particular the members take an interest in their duties and work for the public good." The Magistrate of Mymensingh writes:—"I had not the opportunity of seeing the practical working of the municipalities during the year under review, but from what I have seen of them since I joined the district, and from a perusal of the papers, I am of opinion that the working was, on the whole, satisfactory. The Municipal Commissioners generally take a great deal of interest in their work and spend much of their time for the welfare of their towns. There are certainly some grave shortcomings which require to be repeatedly pointed out and pressed on their attention in order to be remedied. As will be seen from the statements in the appendix, many of the municipalities devote unduly large portions of their income to high education, which generally benefit a small and comparatively well-to-do minority; and the Municipal Commissioners often forget that they should spend most part of their income for the greatest good of the greatest number, and that in this alone lies the justification of municipal taxation. The drainage and sanitation of most of the municipalities require to be better looked after and improved. Many of the Municipal Commissioners have neither the leisure nor the inclination to look to practical details, and often there is not that close supervision over the work of clerks, overseers, and their underlings which is essential to efficiency."

The Commissioner of the Division observes:—"My own acquaintance with these municipalities dates from the current year only. I feel it would be unsafe to generalise on the subject, but I cannot refrain from noticing that the formation of small municipalities which contain merely the nucleus or germ of a town, surrounded by villages whose inhabitants, whatever be their means of livelihood, possess genuine agricultural instincts, was not foreseen, and is not altogether advantageous. Where such conditions prevail, something in the nature of a plebiscite to determine whether a township shall be formed or not is much to be recommended."

In Mr. Power's objection to the establishment of very petty municipalities and to the inclusion in them of agricultural villages the Lieutenant-Governor entirely concurs.

49. The Commissioner of the Chittagong Division writes:—"Generally I do not think progress is being made. Want of funds is the great difficulty which cannot be got over. There has been much good individual work, but there has also been

great laxness, particularly in the accounts of the Chittagong Municipality. There has been, as usual in almost every town, one or more personal matters which seem to cause much more interest than more important public matters."

50. The Commissioner of the Patna Division writes thus with reference to the municipalities in his Division:—"In the Gya Municipality the working of the Act III (B.C.) of 1884 was hardly satisfactory. The Commissioners took some interest in the matter which came before them for discussion, but only held eight meetings. The affairs of the Tikari Municipality form the subject of separate correspondence. The Commissioners of the Arrah Municipality evince an amount of energy which at times is injudicious and has to be checked. The troubles at Jugdispore have already been noticed. The working of the other municipalities in the district is reported to be satisfactory, but I fear they are not what they should be. The Magistrate of Saran writes that the municipalities in his district have worked much as usual. Those of Revilgunge and Sewan are very poor and cannot do much, but according to their lights and up to the limited extent of their powers they worked well. The affairs of the Chupra Municipality were unsatisfactory till Mr. Bourdillon was elected Chairman, when, with the help of the Sub-Committees, something has been done to remedy the defects, and a fair measure of success has been achieved. The Commissioners of the Durbhunga and Madhubani Municipalities are said to take a fair amount of interest in their work; party feeling is, however, strong among them. In Roserah, which is beyond the pale of immediate official supervision, much time is lost in petty disputes over trifles, while no attention is paid to the interests of the rate-payers. In Chumparun the Municipal Commissioners are said to have as a body worked well, and both the Vice-Chairmen of the Motihari and Bettiah Municipalities take much interest in their work. The working of the Patna Municipality shows no improvement. In the last year's report Mr. Boxwell remarked that the features are 'inadequate conservancy and latrine arrangements, almost absolute absence of supervision, conservancy staff both inadequate and idle, watering and lighting insufficiently supervised, and the drainage of the whole municipality abominably bad.' No effective steps were taken during the year to remove these defects and shortcomings."

51. The Commissioner of the Bhagulpore Division writes:—"As I only joined the Division at the close of the year, I cannot offer any general remarks based on personal knowledge of the working of the municipalities in this Division during its course; but I gather from what I have since observed, as well as from the several annual reports, that the administration of municipal affairs has been on the whole satisfactory, and that the general body of Commissioners have shown a fair amount of interest in the duties entrusted to them, though the real work has in most cases been performed by a few members only. Monghyr, under the superintendence of its non-official Chairman, appears to be a model municipality; and Bhagulpore, which has also at present an energetic non-official Chairman, has shown its enterprise in carrying out the water-supply scheme. No water-rate, however, has yet been levied, and in its absence the ordinary rate on holdings should certainly be raised, so as to cover the large additional expenditure which prevents full justice being done to the other requirements of the town."

52. The Commissioner of the Orissa Division writes:—"The Chairman of the Cuttack Municipality quotes the following passage from a letter from the Sanitary Commissioner for Bengal to show what improvement has been effected in the sanitation and conservancy of the town:—"I was, however, well pleased with the cleanliness of the town and with what I saw and heard as to the manner in which the Municipal Commissioners were performing the duties of their trust. They deserve credit for the good work they have done, and I hope that when I have an opportunity of visiting the town again I will find things in as satisfactory a condition as they were in February last." The sanitary and conservancy arrangements in the town of Pooree have also improved. The Magistrate remarks:—"There has been substantial improvement and good work done in all these matters. The Municipal Commissioners have adopted many of the

Health Officer's suggestions and worked them out honestly. Except in some low parts in the outskirts, there are few Indian towns where there is less that is offensive to sight and smell than in Pooree, always, of course, excepting crowded pilgrim seasons.' The Balasore Municipality is under the management of Dr. Zorab, the Civil Surgeon, who is Chairman, and of Rajah Boikuntanath Dé, Bahadoor, both of whom take great interest in municipal matters. The Chairman acknowledges the valuable services rendered by the Vice-Chairman, and mentions the construction at his own cost of 225 feet roadside drain in a part of the town where it was very much wanted, and also the excavation of a tank in Soonhat. Dr. Zorab remarks:—'Daily some progress towards sanitation is being made in the municipality, which is, doubtless, the outcome of the great cordiality which exists among the Commissioners. Our means are small, and advance in consequence tardy, but there is no doubt such advancement is secured by their faith in the belief that union is strength.' No remarks were made by the Magistrate on the working of the Kendrapara and Jajpore Municipalities. The Chairman of the Jajpore Municipality remarks that all the Commissioners do not take an active interest in their work, but four or five of them, including the Vice-Chairman, rendered much valuable assistance. There has been some improvement in both these towns."

53. The Commissioner of the Chota Nagpore Division has recorded the following remarks:—"The Deputy Commissioner of Hazaribagh says that the Municipal Commissioners

Chota Nagpore. in his district generally took great interest in their duties and expended the funds available to the best advantage. The Deputy Commissioner of Lohardugga reports that the Act worked well in the Ranchi Municipality. The Municipal Commissioners here worked as a rule in complete harmony and union, and were guided by a commendable spirit of independence and intelligence. The presence in the Municipal Committee here of the Civil Surgeon, who looks after a great deal of the sanitary matters of the town, and of the District Engineer, who assists the municipality with his professional advice, has had a salutary effect. The efficiency of the Committee is also greatly due to the active interest taken by its Vice-Chairman, Babu Saroda Kumar Aikat, a member of the local bar. The Municipal Act worked fairly well in the town of Lohardugga, considering that it has been in actual operation there since the commencement of the past year. The Commissioners here, with one or two exceptions, took interest in the affairs of the municipality, but its usefulness is principally due to the exertion of its Chairman, the Revd. Mr. F. Hahn. In Daltongunge, the absence of a Chairman for the greater portion of the year, the want of experience among the Commissioners, and the apathy of the people generally, made the work of the year a trying one, but it is hoped that in time the municipality here will be a useful institution. In Manbhoom the Purulia Municipality was, on the whole, managed well. The Commissioners, with few exceptions, took interest in their duties and, besides the business at meetings, assisted in the execution of work of the different wards. In Jhalda things were not satisfactory. The former Chairman, the Tehsildar of the Jhalda Ward's Estate, was dismissed for fraud from the service of the Court of Wards and was required to vacate his municipal appointment. When in December last the late Deputy Commissioner visited the town, he found considerable dissatisfaction prevalent at the proceedings of the Vice-Chairman and some other Commissioners. He took steps to set matters right. The Raghunathpur Municipality is settling down to its work. Its fund, however, is scanty, and it has not therefore been able to do much. The Chaibassa Municipality worked fairly well during the past year. Its Chairman, Dr. S. J. Manook, took great interest in its affairs."

54. The Lieutenant-Governor has reproduced these remarks at length, as he considers they afford the best general commentary on the administration of municipalities during the year. It will be seen that the opinion of local officers is upon the whole favourable, although it does not fail to notice defects and probe the weak points of the system. Sir Stuart Bayley in this Resolution also has not hesitated to indicate many important matters in regard to which there is urgent need of improvement. But he has also been at pains to make it clear that the past year has been characterised by much good work and honest devotion to public duty. In several municipalities credit is due to the Chairmen

and Vice-Chairmen for their energetic administration under very difficult conditions. The thanks of Government are emphatically accorded to these gentlemen, and also to the district officers and divisional Commissioners to whose kindly and sympathetic co-operation and guidance much of the success attained must justly be attributed. The Lieutenant-Governor desires also to acknowledge the general excellence of the reports received from Commissioners, and especially that submitted by Mr. Toynbee, the Officiating Commissioner of Burdwan.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,
Secretary to the Government of Bengal.

WORKS OF PUBLIC UTILITY CONSTRUCTED IN 1889.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Mis. Pub. Improvements.

No. 2979 M.P.I., dated the 25th November 1890.

READ—

Statement of works of public utility constructed by private individuals in the several districts of Bengal during the year 1889.

Read again—

Statement of similar works constructed during 1888, and the Resolution thereon.

REMARKS.—The following works of public utility were constructed by private individuals during 1889 :—

			No. of works.	Cost.		
				Rs.	A.	P.
Public buildings	...	...	9	45,082	0	0
Roads	...	...	8	21,610	0	0
Bridges	...	...	4	13,446	10	0
Embankments or bunds	...	...	42	21,833	0	6
Ghâts	...	...	5	4,950	0	0
Tanks	...	...	659	4,10,684	11	6
Wells	...	...	106	32,145	0	0
Miscellaneous	...	...	5	8,525	12	0
				5,58,277	2	0
Petty works	...	...	...	90,856	13	9
Total			838	6,49,133	15	9

The subjoined statement shows the number of works costing more than Rs. 200 each which were constructed during the past year, and the amounts contributed, including donations for petty works, as compared with the figures for the two previous years—

YEAR.	Number of works costing between Rs. 200 and Rs. 500 each.	Number of works costing more than Rs. 500 each.	Total number of works costing Rs. 200 and upwards each.	Total expenditure on works costing Rs. 200 and upwards each.	Add cost of petty works under Rs. 200.	Total contribution.
				Rs. A. P.	Rs. A. P.	Rs. A. P.
1887	312	88	400	2,05,668 2 3	50,832 1 0	2,56,500 3 3
1888	331	152	483	3,20,492 9 0	74,749 8 0	3,95,242 1 0
1889	481	354	838	5,58,277 2 0	90,856 13 9	6,49,133 15 9

The number of works costing Rs. 200 each and upwards, and the amounts contributed in each district for their construction, are given in the following table :—

District.	No. of works.	Total cost.		
		Rs.	A.	P.
Burdwan	8	3,776	0	0
Bankoora	Nil	Nil		
Beerbhoom	3	1,100	0	0
Midnapore	26	17,232	0	0
Hooghly	5	18,064	15	0
Howrah	1	2,000	0	0
24-Pergunnahs	9	8,675	12	0
Khoolna	26	10,075	0	0
Nuddea	29	22,056	12	6
Jessore	6	2,540	0	0
Moorshedabad	3	2,900	0	0
Dinagapore	15	7,650	0	0
Rajshahye	33	25,750	0	0
Carried over	169	1,21,820	7	6

District.		No. of works.	Total cost.		
			Rs.	A.	P.
	Brought forward	169	1,21,820	7	6
Rungpore	...	9	3,318	0	0
Bogra	...	13	7,843	0	0
Pubna	...	16	18,700	0	0
Darjeeling	...	Nil	Nil		
Julpigoree	...	5	7,446	10	0
Dacca	...	3	3,456	0	0
Furreedpore	...	14	5,350	0	0
Backergunge	...	6	1,955	0	0
Mymensingh	...	40	19,060	0	0
Tipperah	...	16	6,150	0	0
Noakhally	...	2	800	0	0
Chittagong	...	2	440	0	0
Chittagong Hill Tracts	...	Nil	Nil		
Patna	...	1	200	0	0
Gya	...	11	3,089	0	6
Shahabad	...	8	3,000	0	0
Durbhunga	...	130	97,295	0	0
Mozufferpore	...	66	59,504	0	0
Sarun	...	22	11,500	0	0
Chumparun	...	31	11,680	0	0
Monghyr	...	41	10,225	0	0
Bhagulpore	...	168	1,04,714	0	0
Purneah	...	15	7,678	0	0
Maldah	...	3	1,900	0	0
Sonthal Pergunnahs	...	9	18,233	0	0
Cuttack	...	4	14,650	0	0
Balasore	...	20	10,770	0	0
Pooree	...	7	4,200	0	0
Hazaribagh	...	Nil	Nil		
Lohardugga	...	2	600	0	0
Manbhoom	...	2	700	0	0
Singbhoom	...	3	2,000	0	0
Total	...	838	5,58,277	2	0

The following works are specially noted:—

Public Buildings.—Babu Ram Chunder Gowku contributed Rs. 16,000 for an alms house at Deoghur, and contributions for similar works at Kaziwolichak and Chowliaganj, amounting to Rs. 10,000 and Rs. 8,000, were made respectively by Torul Mull Marwari and Lalla Chand Dilsukraj. A hospital was constructed in the town of Cuttack by Rajah Badyanath Pundit at a cost of Rs. 6,000, and Dr. Kalipodo Gupta, F.R.C.S., spent a further sum of Rs. 1,750 during the year in completing the charitable dispensary at Halishahar in the 24-Pergunnahs. The balance of the total amount of Rs. 45,082 contributed under this head is made up of three donations of Rs. 1,000 each and one below Rs. 500.

Roads.—The contributions, amounting to Rs. 21,610, under this head show a considerable increase when compared with the figures of 1888. Babu Nrisingha Nath Addy contributed Rs. 15,000 for a metalled road from Bandarhati to the Haripal railway station, and Rs. 4,020 were given by Rajah Baikunthnath De Bahadur for a metalled road from Balasore to Nulkool. His Highness the Maharajah of Cooch Behar contributed Rs. 1,050 for repairs to certain roads in the Julpigoree district.

Bridges.—The total contributions amounted to Rs. 13,446. Rajah Joti Prosad Gorga of Maisadal contributed Rs. 7,000 for a masonry bridge on the khal near Gewkhali, and His Highness the Maharajah of Cooch Behar spent Rs. 6,196 on bridges on the Patgram road.

Embankments or Bunds.—Of the sum of Rs. 21,833 contributed, Rs. 16,793 were spent by the Durbhunga Raj on 30 bunds in the Bhagulpore district.

Ghâts.—Babu Shib Chundra Chattopadhyaya contributed Rs. 2,000 for a masonry ghât on the river Hooghly at Bellore, and Dr. Kalipodo Gupta, F.R.C.S., spent Rs. 1,000 in completing a masonry ghât at Halishahar in the 24-Pergunnahs. The total expenditure on ghâts amounted to Rs. 4,950.

Tanks.—The number of tanks constructed and re-excavated during the year was very large: the expenditure on these works amounted to Rs. 4,10,684.

The Maharajah of Durbhunga contributed Rs. 8,604 for four tanks in the Mozufferpore district, and Mussomut Rajbunsi Koer contributed Rs. 7,050 and Shaikh Sakhawat Rs. 4,000 for tanks in the same district. Babu Lachmi Narain Singh spent Rs. 5,500 on two tanks. Babus Jadab Chandra Saha and Krishna Behari Rai contributed Rs. 3,000 each; Babu Raghu Das Rs. 2,700; Babu Shib Charan Sahoo and others Rs. 2,538; Babu Kakra Mandal and others Rs. 2,357; Manorath Khawas Rs. 2,200; Babu Lalla Jha Rs. 2,100; Sheik Kanahri Rs. 2,050; Kumar Jogendra Nath Rai, Babu Gobinda Nath Saha Choudhury, Hari Kristo Poddar, Babu Gulab Misser, Tilak Mandar, Babu Ramlal Choudhri and Jahnabi Choudhurani Rs. 2,000 each; Hira Sahoo Rs. 1,951; Jhoomen Mandar and others Rs. 1,905; Jhanti Mandar and others Rs. 1,830; Somman Mandal and others Rs. 1,613; Aghari Mian, Sitai Munder and Ajarject and Totai Mandar Rs. 1,600 each; Jhoomuk Das and others Rs. 1,576; Shyam Mandar and Kasi Mandar Rs. 1,574; Karman Mandal and others Rs. 1,525; Babus Krishna Chandra Chatterjee, Damodar Mandal, Adyait Chandra Pal, Fatoori Missir, Musso-math Lalit Kuar, Dana Thakur, Jairam Shah, Mushai Mahto, Mohunt Shia, Ram Das, Ramdin Das, Bishun Pergash Singh and the wife of Chulahi Teli Rs. 1,500 each; Nathroo Mander and others and Brojo Sundari Debya Rs. 1,400 each; Harihar Pathuk and others Rs. 1,305; Palat Sah, Dharam Chund Shah, Hari Nath Biswas and others and Goolab Mandar Koiri Rs. 1,300 each; Burmi Kamat and Bhorosi Mandal Rs. 1,242; Babus Jadu Nath Parial, Jorip Pramanick, Iswar Chandra Ghosh, Gauri Naik, Bhangji Jha, Gopal Jha, Butun Sahoo, Janor-dhan Singh, Lal Sahoo Teli, Birbhadra Sarangi and Srimati Sonamoni Kamarni Rs. 1,200 each; Purno Shaha, Jamir Karigar, Hira Nath Mandar and Colonel W. L. Samuells Rs. 1,100 each; and Prosad Missir Rs. 1,033.

Wells.—One hundred and six wells were constructed at a cost of Rs. 32,145. None of the contributions on this account were large.

Miscellaneous.—The sum of Rs. 8,525, contributed under this head, was spent chiefly on the excavation of water channels. Srimati Kamini Sundari Dasi and Babu Harimohun Chackraverty spent Rs. 3,500 and Rs. 1,500 respectively on the construction of khals at Jogoti and Gogia in the Nuddea district, and Babu Taralukhya Nath Biswas and others Rs. 1,624 on the re-excavation of the Shreerakole khal in the 24-Pergunnahs.

RESOLUTION.—The Lieutenant-Governor notices with satisfaction that there has been a considerable increase during the year under review, both in the number of works of public utility constructed and the amount contributed for them, and His Honour desires that the thanks of the Government for their public spirit and liberality may be conveyed to those who have supplied the means wherewith the numerous works entered in the statement have been constructed.

Letters of acknowledgment will be forwarded by the Government to those who have constructed works costing over Rs. 500. The rest will receive the usual acknowledgment from the Commissioner or the Magistrate of the Division.

ORDER.—Ordered that a copy of this Resolution, and of the statement, be forwarded to the Board of Revenue, Lower Provinces, and to all Commissioners of Divisions; to the Commissioner of Chota Nagpore and to all Superintending Engineers of Public Works Circles in Bengal for information.

Ordered also that a copy of this Resolution, and of the statement, be forwarded to the Revenue and Judicial Departments of this Government for information.

Ordered also that this Resolution and the statement be published in the Supplement to the *Calcutta Gazette* for general information.

By order of the Lieutenant-Governor of Bengal,

E. J. MARTIN,

Joint-Secretary to the Government of Bengal.

Statement of works of public utility constructed by private individuals during the year 1889.

DIVISION.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand of di	
					Rs. A. P.	Rs. A. P.	Rs.	
BURDWAN	Burdwan	Munshi Zamin Ali Choudhary, of Kantalikuri, thana Ausgram.	Tank	Kantalikuri, thana Ausgram	500 0 0	3,776 0 0		
		Baboo Krishna Chandra Chatterjee, of Deasin, thana Katwa.	Two tanks	Deasin, thana Katwa	1,500 0 0			
		Baboo Atinash Chandra Bhattacharjee and others, of Majida, thana Purbasthali.	Re-excavation of a tank.	Majida, thana Purbasthali ...	376 0 0			
		Baboo Raj Chandra Samanta, of Palasdihi, thana Ranigunge.	Tank	Faridpore, thana Ranigunge..	500 0 0			
		Barkatunnessa Bibi, of Eklaki, thana Rayna.	Do.	Eklaki, thana Rayna	400 0 0			
		Brahmananda Kabiraj, of Khandaghosh, thana Khandaghosh.	Re-excavation of a tank.	Khandaghosh, thana Khandaghosh.	200 0 0			
		Munshi Saduruddin Ahmed Bahar, thana Satgachia.	Tank	Satgachia, thana Satgachia ...	300 0 0			
	Bankoorah	Nil	Nil	Nil	Nil			
	Beerbhoom	Debendra Prasanna Sinha, of Raipur	Tank	Bolpur	500 0 0	1,100 0 0		
		Kristo Chandra Roy, of Bongram	Do.	Do.	400 0 0			
		Oma Charan Gosain	Do.	Bhellan	200 0 0			
	Midnapore	Robu Mollick, of Kashonda	Tank	Kashonda, police station Chandrakona.	700 0 0	18,800 2 0		
		Romai Mal Gowala, of Mongrool	Re-excavation of a tank.	Mongrool, police station Chandrakona.	700 0 0			
		Radha Nath Bhooya, of Moorlichuck	Tank	Moorlichuck, police station Panskoorah.	700 0 0			
		Sriah Chandra Ghose, of Alugram	Re-excavation of a tank.	Alugram, police station Panskurah.	500 0 0			
		Sriah Chandra Ghosh, of Hariballavpur.	Tank	Hariballavpur, police station Satahata.	250 0 0			
		Judistir Paramanik, of Barh Ghasipur.	Do.	Barh Ghasipur, outpost Balughata.	300 0 0			
		Tara Chand Paik, of Ramchak	Do.	Ramchak, outpost Balughata.	500 0 0			
		Kaudeb Bera, of Rai Renyachak	Do.	Shitalpur, police station Moisadal.	350 0 0			
		Raja Joti Prosad Gorga, of Maisadal	Masonry bridge	On the khal near Gawkhali, outpost Gawkhali.	7,000 0 0			
		Moghoi Das, of Daulbarh	Re-excavation of a tank.	Jugzur Nath Chak, outpost Bahiri.	800 0 0			
		Lakhi Narain Pahari, of Boro Rossulpore.	Do.	Boro Rossulpore, outpost Basdebpore.	200 0 0			
		Brojo Sundari Debya, of Jinindapore	Do.	Jinindapore, outpost Basdebpore.	1,400 0 0			
		Muktaram Bar, of Boro Nalgeria	Do.	Boro Nalgeria, outpost Basdebpore.	300 0 0			
		Nanda Lal Dey, of Kishorepore	Do.	Kishorepore, police station Bhagabanpur.	300 0 0			
		Madhab Chandra Bera, of Ramchak	Do.	By the side of the Trunk road, near Thakurnagore village, police station Bhagabanpur.	400 0 0			
		Dwarka Nath Das, of Koshba	Do.	Nobipore, police station Egrah.	200 0 0			
		Fakir Das Dhoba, of Balighai	Tank	Madhubpur Bazar, police station Ekrah.	200 0 0			
		Ditto ditto	Do.	Mohannagar, police station Egrah.	200 0 0			
		Chandra Mohun Guin, of Nimtola	Masonry landing ghat on the river Selye.	Nimtola, police station Daspore.	400 0 0			
		Akhoy Narain Mohapatra, zemindar, of Rajrah.	Tank	Satlapore, outpost Chaulkhola.	200 0 0			
		Srimoty Parbati Dawee, of Depal	Do.	Madhabpore, police station Ramnagore.	200 0 0			
		Chowdhurani Ananda Moyee Debya, Samsera.	Do.	Talda, police station Dantoon	532 0 0			
		Bhika Pal, of Gossain, Patna (deceased).	Do.	Srichundonpur, outpost Mohunpore.	200 0 0			
		Jhogri Maiti of Kosida	Do.	Bela Berunya, outpost Mohunpore.	200 0 0			
		Gokul Mondole, of Mohunpore	Do.	Nyagram, outpost Mohunpore.	200 0 0			
		Ananta Lal Pal, of Shiromoni	Do.	Shiromoni, police station Midnapur sudder.	500 0 0			
		Works costing less than Rs. 200 each	.....	.....	1,568 2 0	
	Hooghly	Ram Das Mozumdar	Tank	By the public road of village Hatti Kondal, thana Ballagurh.	964 15 0	18,064 15 0		
		Nrisingha Nath Addy	Metalled road, 5 miles	Metalled road from village Bandarhati to Haripal railway station, thana Dhanjakhali.	15,000 0 0			
		Nil Madhub Shom	Tank	Basudebpore, thana Horipal...	500 0 0			
		Madhab Chandra Giri	Charitable institution (Otitthala).	Tarkesswar, thana Horipal ...	1,000 0 0			
	Howrah	Durga Das Ghosal	Tank	Kristo Bholanpore, thana Jehanabad.	500 0 0	2,000		
		Baboo Shib Chandra Chattopadhyaya (deceased).	Masonry ghat	On the river Hooghly at Bellore.	2,000 0 0			

DIVISION.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Tot. l of districts.	Grand tota of division.
					Rs. A. P.	Rs. A. P.	Rs. A. P.
		Babu Girish Chandra Bosu ...	Tank ...	Garulia ...	800 0 0		
		" Hem Chandra Sen ...	Do. ...	Sodepore ...	600 0 0		
		" Chandi Churn Chatterjee ...	Do. ...	Dassaria field ...	450 0 0		
		Dr. Kalipode Gupta, F.R.C.S. ...	Masonry ghat on the river side.	Halishahar, Boonaghat ...	1,000 0 0*		
		Ditto ...	Charitable dispensary	Halishahar ...	1,750 0 0†		
		Babu Jadu Nath Parial ...	Tank ...	Jalabaria ...	1,200 0 0		
		Nasser Sheik ...	Do. ...	Joygachi ...	350 0 0		
	24-Pergunnahs	Raja Peary Mohun Mukerjee ...	Clearing off the Pani-ghatta drainage channel.	Between Panighatta and Nalua	901 4 6‡		
		Babus Peary Mohun Roy, Durga Dass Sirkar, Rajkumar Sirkar, Surendra Narayan Deb, and others ...					
		Babu Tralukhya Nath Biswas ...					
		Dr. Radha Mohun Mondul ...					
		M. harsaja Narendra Krishna Bahadur and others ...					
		Works costing less than Rs. 200 each...			200 0 0		
						8,875 12 0	
		Babu Umachurn Bandopadhyaya ...	Tank ...	Ghatbhog ...	300 0 0		
		" Purna Chandra Chakraverty ...	Do. ...	Ditto ...	300 0 0		
		" Chandra Kanta Poddar ...	Do. ...	Aijganti ...	700 0 0		
		" Maha Bharat Dass ...	Do. ...	Moheswarpassa ...	400 0 0		
		Mojuddin Sheik ...	Do. ...	Deera ...	300 0 0		
		Babu Sastibur Bose ...	Do. ...	Alka ...	400 0 0		
		" Anadi Nath Mitter ...	Do. ...	Dakhindhi ...	400 0 0		
		" Joy Chandra Dass ...	Do. ...	Bataga ...	300 0 0		
		" Chandra Gharami ...	Do. ...	Haldibunia ...	850 0 0		
		" Godhadhar Bhattacharjee ...	Do. ...	Khaloini ...	500 0 0		
		" Purna Chandra Bandopadhyaya ...	Do. ...	Borea ...	325 0 0		
		" Mohim Chandra Sikdar ...	Do. ...	Kalikapore ...	350 0 0		
		" Rishi Madhab Ghosh ...	Do. ...	Brojopatti ...	300 0 0		
		" Khetra Mondal ...	Do. ...	Kushkeali ...	250 0 0		
		" Hary Mohun Roy Choudhury ...	Do. ...	Basantapore ...	600 0 0		
		" Kailash Sing ...	Do. ...	Peur ...	500 0 0		
		" Kashik Pal ...	Do. ...	Gobindpore ...	200 0 0		
		Mojuddin Sirdar ...	Do. ...	Ditto ...	200 0 0		
		Babu Dokari Mondal ...	Do. ...	Naranpore ...	250 0 0		
		" Fager Mallik ...	Do. ...	Askarpur, Metedanga ...	500 0 0		
		" Barkatulla Sirdar ...	Do. ...	Kamta ...	600 0 0		
		Babu Tara Charan Mondal ...	Do. ...	Soaka ...	200 0 0		
		" Moonshee Sirdar ...	Do. ...	Kushkhal ...	600 0 0		
		Babu Raj Chandra Moira ...	Do. ...	Azardari ...	200 0 0		
		Abdul Sirdar ...	Do. ...	Kamchandrapur ...	350 0 0		
		Bajal Rahaman ...	Do. ...	Satani ...	300 0 0		
		Works costing less than Rs. 200 each			250 0 0		
						10,325 0 0	
		Babu Bistoo Prosad Borai ...	Masonry ghat	Navadvipa ...	1,000 0 0		
		" Harish Chandra Chaudhury ...	Charitable dispensary	Ditto ...	332 0 0		
		Srimati Kamini Sundari Das ...	New khal	Joroti ...	3,500 0 0		
		Babu Harimohun Chakraverty ...	Do. ...	Gogia ...	1,500 0 0		
		Nokhai Sheik ...	Do. ...	Majgram ...	1,000 0 0		
		Babu Anukchandra Acharjee and others ...	Re-excavation of an old tank.	Old Sandoha ...	400 0 0		
		Abidulla Sheik ...	Tank ...	Maligram ...	500 0 0		
		Seraj Dofadar ...	Do. ...	Barbaria ...	1,000 0 0		
		Osman Biswas ...	Do. ...	Sormastafapur ...	425 0 0		
		Babu Mohendra Nath Ghose ...	Do. ...	Hingnava ...	315 0 0		
		" Rasik Lall Madak ...	Do. ...	Chowgacha ...	622 0 0		
		" Rasik Lall Pal and another ...	Do. ...	Ghoshpara ...	251 12 6		
		" Paresh Nath Chaudhury ...	Do. ...	Kanchrapara ...	511 0 0		
		" Nabadvipa Pal ...	Do. ...	Jote Darpanarayan ...	400 0 0		
		" Rameshwar Saha ...	Well ...	Dharadaha ...	200 0 0		
		Baber Mandal ...	Tank ...	Baor ...	1,000 0 0		
		Babu Kartik Biswas ...	Do. ...	Solemari ...	1,000 0 0		
		" Ananda Biswas ...	Do. ...	Baransidaha ...	1,000 0 0		
		" Joy Krishna Karani ...	Do. ...	Srirampur ...	500 0 0		
		" Atal Biswas ...	Do. ...	Joyrampur ...	1,000 0 0		
		Maniruddin Ukil ...	Do. ...	Barachandghar ...	300 0 0		
		Bhijan Sheik ...	Do. ...	Ditto ...	500 0 0		
		Srimati Sonamoni Kamarni ...	Do. ...	Barnia ...	1,200 0 0		
		Oli Biswas ...	Do. ...	Abhoynagore ...	900 0 0		
		Izawar Biswas ...	Do. ...	Barnia ...	400 0 0		
		Nobin Malita ...	Do. ...	Kunjanagore ...	300 0 0		
		Hakim Biswas ...	Do. ...	Katdaha ...	400 0 0		
		Babu Khetra Nath Biswas ...	Do. ...	Ikuri ...	600 0 0		
		Panchu Mandal ...	Musjid ...	Minapara ...	1,000 0 0		
		Works costing less than Rs. 200 each...			1,158 0 0		
						23,214 12 0	
		Babu Kalidas Ghose ...	Tank ...	Majitpore ...	550 0 0		
		" Chetoo Khan ...	Do. ...	Modhyakul ...	540 0 0		
		" Ishwar Chandra Dutta ...	Road ...	Fatepur ...	200 0 0		
		" Dasharath Mondul ...	Tank ...	Balabhadrapur ...	400 0 0		
		Kazi Gawharali ...	Do. ...	Umedpore ...	350 0 0		
		Babu Patik Chandra Choudhury ...	Do. ...	Boikora ...	500 0 0		
						2,540 0 0	
		Babu Garib Dass Mohunta and others ...	Re-excavation of a tank	Ranitola ...	850 0 0		
		" Damodar Mondal ...	Tank ...	Faridpore ...	1,000 0 0		
		" ...	Masonry ghat on the river side.	Khagra ...	550 0 0		
						2,900 0 0	
						47,853 8 0	
		Bani Mondal, of Baidyabati, police station Patnitola.	Tank ...	Baidyabatty ...	700 0 0		
		Matam Mondal, of Foranagore, police station Patnitola.	Do. ...	Foranagore ...	900 0 0		
		Ram Durlabh Thakur, of Sooriboltil, police station Kotwali.	Do. ...	Sooriboltil ...	600 0 0		
		Jeabulla Fakir, of Borodighi, police station Chintamon.	Do. ...	Borodighi ...	550 0 0		
		Karimullah Mondal, of Borodighi, police station Chintamon.	Do. ...	Ditto ...	525 0 0		
		Sherimullah Mondal, of Borodighi, police station Chintamon.	Do. ...	Ditto ...	525 0 0		
		A. mullah Dewan, of Amta, police station Chintamon.	Do. ...	Amta ...	700 0 0		
		Bangroo Ghose, of Debipore, police station Thakurgaon.	Do. ...	Debipore ...	1,000 0 0		
		Mangin Khawa Sirkir, of Hossainpore, outpost Chiribander.	Do. ...	Hossainpore ...	200 0 0		
		Johar Mohamed Sirkir, of Bolta police station Chintamon.	Do. ...	Bolta ...	200 0 0		
				Carried over	5,900 0 0		

* Rs. 2,250 were spent on this work in 1889.

† Rs. 2,750 ditto ditto.

‡ The total amount contributed for this work was Rs 1,075. The balance in hand will be utilized in course of the present year.

§ The total amount contributed for this work was Rs. 2,400. Rs. 775-8-6, which are still in hand, will be expended in the current year for completing the work.

DIVISION.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of division.
					Rs. A. P.	Rs. A. P.	Rs. A. P.
				Brought forward	5,900 0 0		
		Tara Charan Sirdar, of Naipachagora, outpost Patiram.	Tank	Naipachagora	350 0 0		
		Shamattullah Mondal, of Bodar, police station Patiram.	Do.	Bodar	400 0 0		
		Modhu Mondal, of Lakshimpore	Do.	Lakshimpore	400 0 0		
		Khamin Buksh Mondal, of Mirzapore, police station Porsha.	Do.	Mirzapore	200 0 0		
		Kalim Mirdha, of Nithpore, police station Porsha.	Do.	Nithpore	400 0 0		
		Works costing less than Rs. 200 each			325 0 0	7,975 0 0	
		Akbar Mondal	Tank	Bamansikhar	450 0 0		
		Monal Mondal	Do.	Rosulpore	600 0 0		
		Uzeer Shaha	Do.	Ditto	600 0 0		
		Bhelu Mondal	Do.	Sodepore	1,000 0 0		
		Bhim Mondal	Do.	Bijni	900 0 0		
		Shamsur Ali Mean	Do.	Narallabad	500 0 0		
		Tajoo Mirdha	Do.	Alanpore	700 0 0		
		Rupa Pramanik	Do.	Raninagar	700 0 0		
		Niamutulla Hazi	Do.	Shole	1,000 0 0		
		Purno Shaha	Do.	Bansbaria	1,100 0 0		
		Sharodi Baistobi	Do.	Tengramari	300 0 0		
		Badir Sirdar	Do.	Kachna	800 0 0		
		Fakir Mondal	Do.	Durgapore	800 0 0		
		Sheriatullah Khondker	Do.	Paharpore	400 0 0		
		Baikunta Napat	Do.	Kat Khoir	300 0 0		
		Jamir Mullah	Do.	Bhutna	1,600 0 0		
		Satu Mondal	Do.	Chakla	400 0 0		
		Niamut Akund	Do.	Muktarpore	600 0 0		
		Rajab Shaha	Do.	Jushpore	700 0 0		
		Gopi Mohun Sirkar	Do.	Chapra	400 0 0		
		Brohmo Moye Dasya	Do.	Do	500 0 0		
		Rameswar Panchayet	Do.	Ayra	500 0 0		
		Misu Mondal	Do.	Sialoi	700 0 0		
		Gudur Mondal	Do.	Loblobi	600 0 0		
		Abir Mondal	Do.	Chinaso	900 0 0		
		Misu Mondal	Do.	Punchanandar	600 0 0		
		Noji Mondal	Repairs to a tank	Jas.ira	300 0 0		
		Umar Mondal	Tank	Durlubpore	800 0 0		
		Kothi Sirdar	Do.	Phulbari	800 0 0		
		Haroo Pramanik	Do.	Koipukhuria	400 0 0		
		Dighapattas Estate	Do.	Gurumsoil	1,000 0 0		
		Hara Mondal	Do.	Paikpara	800 0 0		
		Khal Sarkar	Do.	Ranchandarpore	700 0 0		
		Shamir Mondal	Do.	Ramsara Rajupore	600 0 0		
		Mohur Mondal	Do.	Koikari, Kristopore	500 0 0		
		Jorip Pramanick	Do.	Sankaripara	1,200 0 0		
		Molina Meer	Do.	Srinagaraha	200 0 0		
		Kumar Jogendra Nath Rai	Do.	Bolaripara	2,000 0 0	25,750 0 0	
		Indramani Dass	Tank	Shibrampore, thana Sadullapore.	500 0 0		
		Araajulla Mondal	Do.	Harinmari, outpost Palashbaree.	300 0 0		
		Jair Gachoo	Do.	Nowda, outpost Palashbaree	250 0 0		
		Nabar Mondal	Do.	Dighalkandi, outpost Palashbaree.	350 0 0		
		Abdul Aziz	Do.	Gopalpore, outpost Palashbaree.	275 0 0		
		Bholanath Dass	Do.	Dewaner Khamar, outpost Phulikumar.	563 0 0		
		Pocha Sankari	Do.	Dhoidanga, outpost Phulikumar.	600 0 0		
		Laksmi Narayan Dass	Do.	Shanesyam, police station Kaligunge.	250 0 0		
		Tahoor Mohamed, Patwari	Masonry well	Nawatgunge bazar, police station Kotowali.	200 0 0		
		Works costing less than Rs. 200 each			150 0 0	5,468 0 0	
		Tazmamud Mondal	Tank	Maidenhata, thana Shibgunge	825 0 0		
		Manullah Akonda	Do.	Haludga, thana Adamdighi	500 0 0		
		Jarullaha Fakir	Do.	Paikar Dair, thana ditto	500 0 0		
		Jana Sirdar	Do.	Shoail, ditto ditto	500 0 0		
		Mana Pramanick	Do.	Belta, ditto ditto	600 0 0		
		Gudura Sirdar	Do.	Purghuridighi, ditto ditto	1,000 0 0		
		Rafat Ullah Khondker	Do.	Dour, ditto ditto	400 0 0		
		Bhori Akonda	Do.	Halikora, ditto ditto	700 0 0		
		Patania Pramanick	Do.	Khalipore, ditto ditto	700 0 0		
		Kanchi Ram Sircar	Do.	Modhpore, ditto Nababgunge.	300 0 0		
		Gorib Khan	Do.	Panchulgram, thana Khetlal...	639 0 0		
		Badaruddin Khondker	Do.	Ditto ditto	625 0 0		
		Hashrat Ali Khondker	Do.	Ditto ditto	553 0 0		
		Works costing less than Rs. 200 each			350 0 0	5,193 0 0	
		Durga Prasanna Rai	Tank	Boro Deora, thana Dalsi	300 0 0		
		Raja Jogendra Nath, Rai Bahadoor	Do.	Mosshagaree, thana Chatmohur.	1,000 0 0		
		Jamir Karigar	Do.	Haripore, thana Chatmohur	1,100 0 0		
		Jadab Chandra Saha	Do.	Shojnai, thana ditto	3,000 0 0		
		Jhogur Sirdar	Do.	Rangalia, thana ditto	400 0 0		
		Gobinda Nath Saha Choudhury	Do.	Mangalgram, thana Chatmohur.	2,000 0 0		
		Chand Pramanick	Do.	Betmani, thana Chatmohur	800 0 0		
		Iswar Chandra Ghosh	Do.	Bagbaree, thana Ullapara	1,200 0 0		
		Kashi Nath Bordhun	Do.	Degbulgram, thana Ullapara	1,000 0 0		
		Rahim Chand Pramanick	Do.	Choralmoori, thana ditto	1,000 0 0		
		Shadhu Hazi	Do.	Shampore, thana ditto	1,000 0 0		
		Krishna Behari Rai, zemindar	Do.	Rajmangram, thana ditto	3,000 0 0		
		Redu Abdul	Do.	Laksmi Bishun Prosad, thana Raigunge.	700 0 0		
		Adam Hazi	Do.	Betna, thana Raigunge	800 0 0		
		Shorup Pramanick	Do.	Nimgacha, thana Raigunge	700 0 0		
		Nedu Akondo	Do.	Dhesigram, thana Raigunge	700 0 0	18,700 0 0	
				Carried over		64,086 0 0	

District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of division.
			Brought forward	Rs. A. P.	Rs. A. P.	Rs. A. P.
			Nil.	Nil.	64,086 0 0	9
Darjeeling	Nil	Nil.	Nil.	Nil.		
	His Highness the Maharajah of Cooch Behar.	Wooden bridges	Patgram, on the road from Patgram to Morangahat.	4,073 0 0		
	Ditto ditto	Repairs to Dhurila bridges.	Patgram	2,123 10 0		
	Ditto ditto	Repairs to Patgram to Morangahat road.	Ditto	250 0 0		
Jalpigoree	Ditto ditto	Well	Rajnagar in Boda	200 0 0		
	Ditto ditto	Repairs to the emigration roads.		800 0 0		
	Works costing less than Rs. 200 each			377 0 0	7,823 10 0	71,909 10 0
Dacca	Hari Kristo Poddar	Tank	Kolakopa Bazar	2,000 0 0		
	Babu Lolit Chandra Sen	Do.	Surgun	600 0 0		
	" Kali Nath Bose	Do.	Srinagar	856 0 0	3,456 0 0	
	Babu Durga Charan Ghose	Tank	Nursingdia	400 0 0		
	Umed Ali Meah	Do.	Sasrail	300 0 0		
	Guru Charan Biswas	Do.	Urakandi	500 0 0		
	Jan Khan	Do.	Hazrapore	300 0 0		
	Fajjaddi Munshi	Do.	Madaripore	250 0 0		
	Sebok Joydar	Do.	Shouldur	250 0 0		
	Raj Kumar Mazumdar	Do.	Chowrasa Bazitpore	350 0 0		
Furzedpore	Nedu Majumdar	Do.	Bramhandi	200 0 0		
	Chowkri Mridha	Do.	Durbardi	600 0 0		
	Pathan Ullah	Do.	Nandy Masarkandi	300 0 0		
	Mohim Chandra Das	Do.	Pachu Dakhinkandi	400 0 0		
	Rajai Mandal	Do.	Khamardangi	1,000 0 0		
	Prasanna Kumar Chakravarti	Do.	Rajpur	300 0 0		
	Kalai Dhali	Do.	Halsipath	200 0 0		
	Works costing less than Rs. 200 each			1,087 0 0	6,437 0 0	
	Paran Talugdar	Tank	Bapta, station Bhola	300 0 0		
	Taffaddy	Do.	Medua	630 0 0		
Backergunge	Abdul Rohim Munshi	Do.	Manika, station Berhameddy	275 0 0		
	Nasraddi Bakial	Do.	Kali Kinker Barhameddy	200 0 0		
	Hara Sundari Choudhuran	Do.	Ranigunge hat, Berhameddy	250 0 0		
	Nyamaulillah Akond	Do.	Darail Berhameddy	300 0 0	1,955 0 0	
	Intaz Shaikh	Tank	Khagdahur, station Kotwali	300 0 0		
	Dacu Napit	Do.	Ditto ditto	500 0 0		
	Itam Kristo De	Do.	Dhittopore-Durgapore	425 0 0		
	Mahamed Jan Sarkar	Do.	Dapunia-Kotwali	450 0 0		
	Tamiz Sheikh	Do.	Ditto	500 0 0		
	Gazi Mahmud Shaikh	Do.	Daribhabokhali-Kotwali	350 0 0		
	Khadoo Shaikh	Do.	Rampore-Durgapore	400 0 0		
	Azmal Sarkar	Do.	Selimpore-Kotwali	350 0 0		
	Biebatia Mandal	Do.	Ditto	400 0 0		
	Loke Nath Nandi	Do.	Sehoround-Durgapore	400 0 0		
	Budha Mandal	Do.	Bota-Durgapore	400 0 0		
	Chandi Sarkar	Do.	Parangunge-Kotwali	500 0 0		
	Ahmedjan	Do.	Bhobokhali-Kotwali	400 0 0		
	Raja Shaikh	Do.	Mehergaon, station Phulbaria	250 0 0		
	Rahman Shaikh	Do.	Shurerpar, ditto	500 0 0		
	Bindu Chang	Do.	Chakradhakana, ditto	700 0 0		
	Jafar Sarkar	Do.	Andharinpara, ditto	300 0 0		
	Monn Mandal	Do.	Ditto, ditto	500 0 0		
	Idu Sarkar	Do.	Radhakana, ditto	300 0 0		
	Nedani Manjhi	Do.	Ditto, ditto	300 0 0		
	Idu Shaikh	Do.	Chowdar, ditto	310 0 0		
	Nagor Mandal	Do.	Natuspara, ditto	375 0 0		
	Ali Fakir	Do.	Panjona, ditto	400 0 0		
	Keramat Akan	Do.	Amirabari, ditto	400 0 0		
	Adi Mandal	Do.	Parpara, station Phulbaria	700 0 0		
	Fatu Kulu	Do.	Kushmal, ditto	350 0 0		
	Brindaban Bairagi	Do.	Nowgong, ditto	300 0 0		
	Ram Kumar Mandal	Do.	Mothari, ditto	350 0 0		
	Khalu Hazi	Do.	Anantpur, ditto	350 0 0		
	Nanu Shaikh	Do.	Ditto, ditto	400 0 0		
	Bishu Gopini	Do.	Rangopore, station Issur-gunge.	500 0 0		
	Grish Chandra Mazumdar	Do.	Magtula, ditto	400 0 0		
	Sachani Chakravarti	Do.	Tarati, ditto	300 0 0		
	Ashak Shaikh	Do.	Hosainpur, ditto	400 0 0		
	Jahnabi Chowdhurani	Do.	Sontosh-Tangail	2,000 0 0		
	Adyait Chandra Pal	Do.	Dhalain Tangail	1,500 0 0		
	Titu Sarkar	Do.	Charabhang-Gopalpore	400 0 0		
	Kangal Chandra Chakravarti	Do.	Kamdebbari-Gopalpore	300 0 0		
	Mercu Sarkar	Road	Jashara to Suibgunge, station Gafargan.	700 0 0		
	Jadab Lal Shah	Do.	Duajani to Golabari, station Tangail.	400 0 0		
	Works costing less than Rs. 200 each			520 0 0	19,550 0 0	31,428 0 0
Tipperah	Kunja Behari Wasti	Tank with masonry ghât.	Comillah town	300 0 0		
	Lochan Das	Do.	Kutorapura	300 0 0		
			Carried over	900 0 0		

DIVISION.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand of division.
					Rs. A. P.	Rs. A. P.	Rs.
				Brought forward	900 0 0	.....	.....
CHITTAGONG —concd.	Tipperah	Ram Nath Das	Tank	Dekori Khola	400 0 0		
		Golak Chandra Chuckerbutty	Do.	Chanda Sugardi	200 0 0		
		Sharuf Shaha	Do.	Jagatpur	350 0 0		
		Bodan Shaha	Do.	Meraish	700 0 0		
		Mohammed Hossen	Do.	Alinagar	400 0 0		
		Kadir	Do.	Gobindopur	500 0 0		
		Hassanaddi Faquir	Do.	Kandia	200 0 0		
		Abdul	Do.	Dari Khoshania	300 0 0		
		Rohimoddi	Do.	Aliargunge	300 0 0		
		Shamboo Shaha	Do.	Raukrishnapur	450 0 0		
		Dengu Haji	Do.	Ditto	400 0 0		
		Keshab Changa	Do.	Alukpur	500 0 0		
		Shek Mansi	Do.	Khandura	250 0 0		
		Nasifa Bhanu, zemindar	Re-excavation of a tank	Chaprairtola	300 0 0		
		Works costing less than Rs. 200 each			450 0 0	6,000 0 0	
	Nonkhally	Ram Kumar Das, mahajan	Re-excavation of a tank	Near the Munsifa court at Sundeeep.	600 0 0		
		Asruf Ali	Tank	Pachia Chagalnya	200 0 0		
	Chittagong	Moorari Dey	Tank	Karoyanugore-Satkaneah	900 0 0	890 0 0	
		Ram Sunder Mistri	Road	Bajajaligram-Satkaneah	240 0 0		
		Works costing less than Rs. 200 each			190 0 0		
	Chittagong Hill Tracts.	Nil	Nil	Nil	Nil	650 0 0	8,000
	Patna	Babu Rajja Nath Singh	Well	Mohomedpore	200 0 0		
		Works costing less than Rs. 200 each			125 0 0	325 0 0	
	Gya	Bulaki Lall	Well	Beldari	200 0 0		
		Gulab Chund Sahu	Do.	Nevira Bigha	225 0 0		
		Mir Basarat Hossain	Do.	Tarva	250 0 0		
		Ram Nath Pundit	Do.	Sarace Tour	200 0 0		
		J. Alexander, Esq.	Do.	Imamgunj	400 0 0		
		Mussomath Anpurna Kuwar	Do.	Gurhatti	200 0 0		
		Paryag Koeri	Do.	Piruni	200 0 0		
		E. Solano, Esq.	Embankment	Purreary	483 5 6		
		Ditto	Do.	Sellourah	385 12 6		
		Ditto	Do.	Sumuinpore Budir	250 0 0		
		Works costing less than Rs. 200 each		Banipore	284 14 6		
					5,628 7 9	8,717 8 3	
	Shahabad	Siteram Sing	Tank	Bagaind	1,000 0 0		
		Nakchedi Ram	Masonry well	Roghunathpore	500 0 0		
		Bissessur Bhugat	Do.	Dhunsni	400 0 0		
		Jadu Nondon Singh	Do.	Igri	300 0 0		
		Adit Prasad Singh	Do.	Nagri	200 0 0		
		Sew Sarun Lall	Do.	Murari	200 0 0		
		Maharajah of Doomsan	Do.	Diskalan	200 0 0		
		Padaruth Ram	Do.	Behampore	200 0 0		
		Works costing less than Rs. 200 each			2,735 0 0	5,735 0 0	
	PATNA	Gopal Teli	Tank	Karhi	500 0 0		
		Naina Jha	Do.	Bahu Salempore	400 0 0		
		Ganesh Dat Singh	Do.	Naina Ghat	300 0 0		
		Tulshi Mander	Do.	Dhamsain	975 0 0		
		Hira Jha	Do.	Ganar	900 0 0		
		Bhikhari Dass	Do.	Do.	700 0 0		
		Bahu Lal Kuar	Do.	Kanbi	400 0 0		
		Lalgit Singh	Do.	Narma	500 0 0		
		Shanki Sahoo	Do.	Pali	700 0 0		
		Bachan Rai	Do.	Bindha	500 0 0		
	Durbhunga	Barhami Lal Jha	Do.	Reota	700 0 0		
		Chulhal Choudhri	Do.	Pataill	700 0 0		
		Jaijai Ram	Well	Narghaghi	375 0 0		
		Mahanth Ram	Tank	Do.	800 0 0		
		Lachman Koeri	Well	Malinagar	250 0 0		
		Lahar Wian	Tank	Sunderpur	800 0 0		
		Fakir Kormi	Do.	Pariharpur	800 0 0		
		Kesho Thakur	Do.	Mahsnar	500 0 0		
		Hachu Bahu	Do.	Bishampur	600 0 0		
		Sant Bania	Do.	Sarson	600 0 0		
		Ramlal Choudhri	Do.	Khanara	2,000 0 0		
		Manorath Khawas	Do.	Raghopur	2,200 0 0		
		Gulab Missir	Do.	Harnagar	2,000 0 0		
		Shaikh Ameoruddin	Do.	Sanaul	600 0 0		
		Madhe Thakur	Do.	Maluahi	1,000 0 0		
		Jadoo Jha	Do.	Pathara	300 0 0		
		Gobind Sahoo	Do.	Bhaur	400 0 0		
		Jogal Kishwar Bahu	Do.	Behnagar	500 0 0		
		Ramdhani Gawala	Do.	Andra	800 0 0		
		Abdul Gafur	Do.	Bhindwa	500 0 0		
		Khedoo Jutt	Do.	Kakarwa	400 0 0		
		Penrey Jha	Do.	Kalam	375 0 0		
		Rangi Raut	Bund	Kamalpur	400 0 0		
		Jalpadutt Jha	Tank	Katala	1,000 0 0		
		Paroo Sundi	Do.	Kachra	1,000 0 0		
		Bodhan Sahoo	Do.	Bankata	1,000 0 0		
		Lakhia Teli	Do.	Bajraha	1,000 0 0		
		Fatoori Missir	Do.	Kerwara	1,500 0 0		
		Faturi Mian	Do.	Sonbasa	1,000 0 0		
		Achari Mian	Do.	Do.	1,000 0 0		
		Mangal Missir	Do.	Parjuar	1,000 0 0		
		Maharaja of Durbhunga	Do.	Pal	1,000 0 0		
		Ditto	Do.	Benipatti	1,000 0 0		
		Shib Charan Chaudhri	Do.	Ditto	1,000 0 0		
		Gonder Jha	Do.	Loharania	250 0 0		
		Gudar Thakur	Do.	Harsuar	400 0 0		
		Ram Charan Choudhri	Do.	Khirha	700 0 0		
		Dulab Kahari	Do.	Rahman	500 0 0		
		Bachoo Sahoo	Do.	Salempur	500 0 0		
		Halumani Sahoo	Do.	Ditto	500 0 0		
		Sheo Charan Dass	Do.	Ditto	500 0 0		
		Mahanth Lalit Dass	Do.	Madhnapur	500 0 0		
		Mussomath Lalit Kuar	Do.	Gishenpur	1,500 0 0		
		Lachal Sah	Do.	Baswaria	900 0 0		
		Aghori Khawas	Do.	Sonpatti	600 0 0		
		Girkha Gope	Do.	Kalikapur	200 0 0		
		Siram Raut	Do.	Darwara	800 0 0		
				Carried over	43,425 0 0	14,777 8 3	

DIVISION.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of district.	Grand total of division.
					Rs. A. P.	Rs. A. P.	Rs. A. P.
				Brought forward	43,125 0 0	14,777 8 3	.....
		Tulshi Raut	Tank	Darwara	800 0 0		
		Mani Lal Sondi	Do.	Matchaura	500 0 0		
		Rangu Raut	Do.	Ditto	500 0 0		
		Masihan Mian	Do.	Kahiahi	500 0 0		
		Nanoo Sahu Teli	Do.	Marhadi	500 0 0		
		Rafi Raut	Do.	Barhi	250 0 0		
		Ramdhani Kaiwar	Well	Gobrahi	200 0 0		
		Dana Thakur	Tank	Marnahia	1,500 0 0		
		Udan Dass	Well	Sidhap Kalla	400 0 0		
		Jhaicoo Kaman	Tank	Pathal Gachi	600 0 0		
		Inderman Jha	Do.	Mahtha	1,000 0 0		
		Mehi Dass	Do.	Ditto	400 0 0		
		Gauri Naik	Do.	Gajabra	1,200 0 0		
		Mangai Sah	Bund	Tole Uchal	1,000 0 0		
		Banwari Jha	Tank	Barnar	1,000 0 0		
		Manoruth Munder	Do.	Amjiri	1,000 0 0		
		Bhagwan	Do.	Ajmiri	1,000 0 0		
		Pachi Munder	Do.	Kakerdhobh	800 0 0		
		Chedi Sahoo	Do.	Sandihai	900 0 0		
		Kala Raut	Do.	Bhupthahi	1,000 0 0		
		Pekun Raut	Do.	Ditto	400 0 0		
		Mohar Raut	Do.	Phulparas	500 0 0		
		Isri Thakur	Do.	Ditto	600 0 0		
		Umrao Gawalla	Do.	Mourni	500 0 0		
		Firangi Munder	Do.	Godhiari	700 0 0		
		Jhaman Mian	Do.	Hariari	500 0 0		
		Sitai Munder	Do.	Dhananja	1,000 0 0		
		Kashi Munder	Do.	Inderwa	900 0 0		
		Hitoo Raut	Do.	Pasnari	700 0 0		
		Gopal Kumhar	Do.	Nama Jakhar	700 0 0		
		Sujam Kewat	Do.	Saharwa	700 0 0		
		Hurial Kewat	Do.	Ditto	700 0 0		
		Sarman Khatwe	Do.	Ditto	600 0 0		
		Shaikh Jhaloo	Do.	Sarnuti	600 0 0		
		Khedan Passi	Do.	Dhap Ghat	500 0 0		
		Mohipat Singh	Do.	Matrus	500 0 0		
		Musomath Rampatti	Do.	Sagi	500 0 0		
		Kani Dhanck	Do.	Feroz Gai	1,000 0 0		
		Muni Kumhar	Do.	Sajaulia	1,000 0 0		
		Kant Dass	Well	Mahulia	600 0 0		
		Girhiman Patak	Tank	Dardha	1,000 0 0		
		Patan Gope	Do.	Mahulia	300 0 0		
		Moosan Mander	Do.	Sathkharia	400 0 0		
		Bharui Munder	Do.	Kachool	800 0 0		
		Nanoo Bhirwar	Well	Suyapatti	800 0 0		
		Ramdeyal Bhirwar	Do.	Ditto	720 0 0		
		Hit Lal Munder	Do.	Ditto	700 0 0		
		Musher Munder	Do.	Jalapaker	600 0 0		
		Jhuna Gowala	Tank	Manha	600 0 0		
		Kailu Sahoo	Do.	Chikna	600 0 0		
		Bhangai Jha	Do.	Ditto	1,200 0 0		
		Gopal Jha	Do.	Jhiki	1,200 0 0		
		Butun Sahoo	Do.	Moosahry	1,200 0 0		
		Mehi Lal	Do.	Mahduma	900 0 0		
		Hiraman Gowala	Do.	Bagima	700 0 0		
		Nather Singh	Well	Aurha	600 0 0		
		Palat Sah	Tank	Dhanchia	1,300 0 0		
		Bala Sahoo	Do.	Khatunna	1,000 0 0		
		Ghughan Dhunuk	Do.	Khushulpatti	1,000 0 0		
		Jhoomak Raut	Do.	Sarah Sima	1,000 0 0		
		Girdhari Beldar	Do.	Kahi Pathir	700 0 0		
		Haluman Raut	Do.	Mudhpur	700 0 0		
		Gokhul Kurni	Do.	Maluman Nayar	700 0 0		
		Bhagi Marer	Well	Bhagwanpur	200 0 0		
		Sahoo Lal Teli	Do.	Atri	300 0 0		
		Kanhai Sah	Do.	Soubarsa	1,000 0 0		
		Ganga Gawala	Do.	Balua	700 0 0		
		Kashi Gawala	Do.	Mansupur	500 0 0		
		Mehi Gawala	Do.	Harraha	700 0 0		
		Rung Lal Gawala	Do.	Dudhaila	700 0 0		
		Bhukhan Merer	Tank	Rohua	700 0 0		
		Puncha Dusadh	Do.	Chicharma	700 0 0		
		Shibu Koiri	Do.	Pachi	800 0 0		
		Works costing less than Rs. 200 each			11,309 12 0		
						1,08,604 12 0	
		Dharam Ohund Shah	Tank	Majhowlia	1,300 0 0		
		Kellar Ajha	Do.	Bedawl	600 0 0		
		Indur Rai	Do.	Poolwaria	200 0 0		
		Sib Mahto Koeri	Do.	Sewri Huna	200 0 0		
		Bunai Koeri	Do.	Bathnaha	500 0 0		
		Ramnath Koeri	Do.	Kaili	800 0 0		
		Shaikh Kajah Hussain	Do.	Berha	600 0 0		
		Jairam Shah	Do.	Talhatia	1,500 0 0		
		Tiluk Kahto	Do.	Bath	500 0 0		
		Jhanti Rai	Do.	Sootehara	350 0 0		
		Luchoo Kumhar	Do.	Musharnia	500 0 0		
		Soneful Thakoor	Do.	Pipra Rudul Thakoor	600 0 0		
		Udit Singh	Do.	Pipra	800 0 0		
		Bhaiya Ram Raut	Do.	Sardarputte	700 0 0		
		Chethroo Shah	Do.	Sirsa	600 0 0		
		Dwarka Rai	Do.	Do.	700 0 0		
		Raghuni Singh	Do.	Lahoori	500 0 0		
		Bursaj Mandal	Do.	Rhuma	600 0 0		
		Maharajah Luchmessur Singh Bahadur, of Durbhunga	Do.	Dunna	1,500 0 0		
		Ditto ditto	Do.	Nacha	2,147 0 0		
		Ditto ditto	Do.	Lahowria	2,089 0 0		
		Ditto ditto	Do.	Bhonitpore	3,065 0 0		
		Tufani Raut	Do.	Narkatia	400 0 0		
		Mohun Tati	Do.	Indilia	600 0 0		
		Murdan Raut	Do.	Lalbanai	300 0 0		
		Dulhai Gola Koer	Do.	Sursund	500 0 0		
		Sarwan Pande	Do.	Banumdea	400 0 0		
		Chuni Sundi	Do.	Hishunpore	300 0 0		
		Achumbit Raut	Do.	Padedia	400 0 0		
		Shaikh Sakhawar	Do.	Mohuni	4,000 0 0		
		Musbar Sonar	Do.	Madhurapore	1,000 0 0		
		Musomut Rajbansi Koer	Do.	Rama Balha	7,050 0 0		
		Mahamud Raut	Do.	Dewari	500 0 0		
		Haji Mauli Mian	Do.	Bacharpore	200 0 0		
		Shaikh Nazaf	Do.	Badwar	250 0 0		
		Gopal Thakoor	Do.	Bajidpore	300 0 0		
				Carried over	26,754 0 0	1,23,382 4 3	

DIVISION.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of divisions.
				Brought forward	Rs. A. P. 36,754 0 0	Rs. A. P. 1,23,382 4 3	Rs. A.
		Musai Mahto	Tank	Kurabuma	1,500 0 0		
		Dhandai Mandar	Do.	Raghaipura	600 0 0		
		Bisessur Ram Kandoo	Do.	Sursund	450 0 0		
		Thuga Jolaha	Do.	Budunpura	500 0 0		
		Sheikh Rahmatoollah	Do.	Persa	200 0 0		
		Mohunt Shia Ram Das	Do.	Sursund	1,500 0 0		
		Sheikh Mooshaolla	Do.	Adulpore	700 0 0		
		Gopal Jha	Do.	Malahi	500 0 0		
		Kishoonbulub Jha	Do.	Radhnoo	600 0 0		
		Mussomut Anpuchia	Do.	Belahia	200 0 0		
		Lachman Gowala	Do.	Borghari	600 0 0		
		Nathhar Sahoo Teli	Do.	Bhitha	800 0 0		
		Lalla Jha	Do.	Do.	2,100 0 0		
		Mussomut Rajbunsi Koer	Do.	Sursund	700 0 0		
		Maniar Kumbhar	Do.	Bisputi	1,000 0 0		
		Mussomut Rajbunsee Koer	Do.	Inarwa	700 0 0		
		Tilak Mandar	Do.	Sunishi	2,000 0 0		
		Bania Gowalin	Do.	Ram Bhinahi	1,000 0 0		
		Bhoop Thakcor	Well	Haruri	500 0 0		
		Narain Tewari	Tank	Mushahunia	500 0 0		
		Ramdin Das	Do.	Bidrah	1,500 0 0		
		Gobind Tewari	Do.	Maldan	300 0 0		
		Sheikh Enayet Hossain	Well	Goparia	250 0 0		
		Maharajah of Hutwa	Tank	Hathsar	700 0 0		
		Mohunt Sheoraj Gir	Do.	Nurha	700 0 0		
		Rabi Deonundun Singh	Well	Sheohur	200 0 0		
		Tulsi Ojha	Tank	Gharwara	600 0 0		
		Soodi Rai	Do.	Bahocara	250 0 0		
		Bhunjun Singh	Do.	Chounraha	600 0 0		
		Saroop Mookha Koer	Do.	Sarhachia	1,000 0 0		
		Works costing less than Rs. 200 each			14,528 0 0	74,032 0 0	
		Babu Nund Kumar Lal	Well	Besambarpore	200 0 0		
		Chintaman Mahto	Do.	Ami	300 0 0		
		Mahbub Mian	Do.	Pharhad	400 0 0		
		Bihari Sahu Kulwar	Do.	Lohiji	200 0 0		
		Maharajah of Hutwa	Do.	Raton Chuck	200 0 0		
		Ishur Singh	Do.	Vakhdungunge	300 0 0		
		Suba Rawat	Do.	Lodepore	400 0 0		
		Ghulam Hussein	Do.	Rajpur-Jalalpore	300 0 0		
		Rampaluck Raut	Do.	Kazipore	200 0 0		
		Dular Chand Sahu	Do.	Dhanowra	250 0 0		
		Mussomut Lacho Bibi	Do.	Udaipura	300 0 0		
		Bilar Barai	Do.	Asan	200 0 0		
		Goruck Singh	Do.	Sadpur	200 0 0		
		Niaz Ali alias Nazai Mian	Do.	Ditto	350 0 0		
		Nawab Rai	Do.	Bijai Gonda	200 0 0		
		Harukh Mullah	Do.	Pahlezah	200 0 0		
		Chutardhari Ahir	Do.	Ditto	200 0 0		
		Tilock Lall	Do.	Ditto	200 0 0		
		Ramcharitur Singh	Tank	Chandpara	1,000 0 0		
		Ratu Lall	Do.	Agrowli	400 0 0		
		Babu Lachmi Narain Singh	Do.	Arun	500 0 0		
		Ditto ditto	Do.	Piprahia	5,000 0 0		
		Works costing less than Rs. 200 each			20,067 4 0	31,567 4 0	
		Birbul Bhagat	Tank	Beliwani Leyan	200 0 0		
		Hira Teli	Do.	Madhumabit	200 0 0		
		Sekh Eadali	Do.	Ditto	200 0 0		
		Deep Chand Ahir	Well	Gokhula	200 0 0		
		Babu Bishun Pergash Singh	2 Tanks	Madhuban	1,500 0 0		
		Khodabux Ali	Bridge	Nawa Dih	250 0 0		
		Babu Lachuman Pershad	Tank	Siswa Patna	1,000 0 0		
		Gopal Ram	Well	Kessaria	300 0 0		
		Goor Panday	2 Wells	Bagahi	200 0 0		
		Wife of Chulahi Teli	Tank	Chintamanpore	1,500 0 0		
		Sheikh Hussain Ali	Do.	Dastrah	500 0 0		
		Golam Din	Do.	Ditto	600 0 0		
		Shaikh Kitab Ali	Do.	Barrewah	300 0 0		
		Dasunith Koeri	Well	Goorhanwah	250 0 0		
		Sarabjit Koeri	Do.	Ditto	250 0 0		
		Soomirna Koeri	Tank	Kamarcholi	350 0 0		
		Sir Bux	Do.	Sisahn	200 0 0		
		Harakh Dubey and Chhoda, &c.	Do.	Patahi village	300 0 0		
		Jairam Sah Teli	Do.	Babbish	300 0 0		
		Tilak Roy	Do.	Ratan San	200 0 0		
		Abilakh	Do.	Madhurapore	200 0 0		
		Shaikh Bhikham and Boodh Ahir	Do.	Kooderiah	400 0 0		
		Nathu Sah	Well	Doonwa village	200 0 0		
		Paluk Dusadh	Tank	Bagha	400 0 0		
		Joothi Teli	Do.	Chhowradans	800 0 0		
		Babu Beni Bhusan	Do.	Bhelwa Bazar	300 0 0		
		Dookhi Misser	Do.	Pipra	300 0 0		
		Purmeswar Tewari	Well	Bajidpore	200 0 0		
		Thakur Chowbey	Do.	Rampurwa	200 0 0		
		Works costing less than Rs. 200 each			15,163 0 0	26,843 0 0	2,55,824-53
		Ram Sahoy Bhagat	Tank	Mahangunge	400 0 0		
		Mussomut Champa, daughter of Nak- too Singh.	Do.	Palo	500 0 0		
		Ram Lal Kumbhar	Do.	Dusratpore	200 0 0		
		Banda Pandey	Do.	Palmigi	250 0 0		
		Meeh Lal Roy	Do.	Karamai	500 0 0		
		Ambica Prosad	3 Tanks	Darba, Banda, Banga	700 0 0		
		Ganowri Mahton	Masonry well	Nawagurhi	200 0 0		
		Lala Singh	Do.	Paharpore	300 0 0		
		Munshi Mondar	Do.	Morhari	200 0 0		
		Ghurboe Kandoo	Do.	Etorhi	200 0 0		
		Pali Singh	Do.	Indupur	200 0 0		
		Seeboo Singh	Do.	Surna	200 0 0		
		Ishwari Poddar	Do.	Bahina	250 0 0		
		Masudan Mundar	Do.	Uri	300 0 0		
		Suphal Rai	Do.	Kunhaiyachak	300 0 0		
		Kesi Rai	Do.	Burhari	200 0 0		
		Haribar Chowdhry	Do.	Pipra Chowtham	200 0 0		
		Chandi Charan Singh	Do.	Beguserai chak	200 0 0		
		Nankoo Sahain	Do.	Khambi	200 0 0		
		Sital Singh	Do.	Majhoul	200 0 0		
		Sekhun Shah	Do.	Dunialpur	200 0 0		
		Karu Dhanook	Do.	Begampur	250 0 0		
		Srinath Rai	Do.	Gowra	200 0 0		
		Mangai Sahu	Do.	Lukhanpur	300 0 0		
				Carried over	6,950 0 0		

DIVISION.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of division.
					Rs. A. P.	Rs. A. P.	Rs. A. P.
				Brought forward	8,950 0 0		
		Mussonut Ganesia Kalwarin	Masonry well	Mansar Chowk	225 0 0		
		Amal Rai	Do.	Rajapur	250 0 0		
		Ramsi Shah	Do.	Baro	250 0 0		
		Mussonut Patasia, wife of Dharmoo Singh.	Do.	Sahora	300 0 0		
	Monghyr	Lachman Choudhry	Do.	Tai	200 0 0		
		Bansi Misser	Do.	Lakhanpur	250 0 0		
		Durga Gope	Do.	Begumserai	200 0 0		
		Raj Nath Choudhry	Do.	Ahipur	200 0 0		
		Zahari Lal	Do.	Sabulpur	250 0 0		
		Raj Nath Singh	2 Wells	Amawa	300 0 0		
		Ganesa Prosad	Well	Belori	300 0 0		
		Tutor Mahlon	Do.	Ekrawa	300 0 0		
		Sobrat Mirjan	2 Wells	Chandradip	250 0 0		
		Works costing less than Rs. 200 each			3,881 0 0		
		Raj Durbhunga	Bandh and Pyne	Anwar Girdheri	289 0 0	14,100 0 0	
		Do.	Do.	Bela Singor Mati	698 0 0		
		Do.	Do.	Jhilki Jorowhi	297 0 0		
		Do.	Do.	Nandpur Kubiabi	202 0 0		
		Do.	Do.	Najabhula	394 0 0		
		Do.	Do.	Pursa Mado	981 0 0		
		Do.	Do.	Peepra Khoro	250 0 0		
		Do.	Do.	Bishenpur	501 0 0		
		Do.	Do.	Sukhaeni	847 0 0		
		Do.	Do.	Murli Monespur	601 0 0		
		Do.	Do.	Bhaptahi	243 0 0		
		Do.	Do.	Dholi	654 0 0		
		Do.	Do.	Rutanpurbonena	556 0 0		
		Do.	Do.	Butharwa	615 0 0		
		Do.	Do.	Sadanandpur	512 0 0		
		Do.	Do.	Kawalpur	793 0 0		
		Do.	Do.	Jhila Saidpur	297 0 0		
		Do.	Do.	Dighia	1,015 0 0		
		Do.	Do.	Kanouli	545 0 0		
		Do.	Do.	Gyanpur Doodhela	613 0 0		
		Do.	Do.	Sikrapatta	1,139 0 0		
		Do.	Do.	Shahpur Kirthipotti	803 0 0		
		Do.	Do.	Dharharwa	215 0 0		
		Do.	Do.	Bowraha	428 0 0		
		Do.	Do.	Gopalpur Rupowli	461 0 0		
		Do.	Do.	Bansa	459 0 0		
		Do.	Do.	Malik Sunpataha	520 0 0		
		Do.	Do.	Katia	263 0 0		
		Do.	Do.	Chitahanumannagar	398 0 0		
		Do.	Do.	Dagmara	1,314 0 0		
		Jhanti Mandar, Maloo Mandar, and Bhai Lal Mandar.	3 Tanks	Anwar Gurheri	1,830 0 0		
		Agarjeet and Totai Mandar	2 do.	Ashampur Kupoha	1,600 0 0		
		Jhoomuk Das, Hoorai, Kairu Gopal Badan.	4 do.	Belainagar Mote	1,576 0 0		
		Girdhari Mandar	Tank	Sirri	630 0 0		
		Hari Nath Biswas, Bhikari Mandar and Brij Lal Gope.	3 Tanks	Jugdispur Jhowai	1,300 0 0		
		Jhoomen Mandar, Bhola Mandar and Girdhari Kamat.	4 do.	Jhitki Jerawli	1,905 0 0		
		Gender Misser	2 do.	Khep Belasugurh	876 0 0		
		Nanhi Sant	Tank	Khapbhoolia	459 0 0		
		Kanhaya Mandar	Do.	Keorkallanpur	550 0 0		
		Kamtar Mandar	Do.	Majhowi Mahowa	905 0 0		
		Nathroo Mandar, Manjhi, Lowji, Bhi-thur Mandar.	3 Tanks	Najabhoolia	1,400 0 0		
	Bhagnulpore	Hira Sahoo	2 do.	Nirmali	1,351 0 0		
		Somman Mandal, Hur Charan Sahoo, and Bhimak Mandal.	4 do.	Parsa Madho	1,613 0 0		
		Domon Mandal	Tank	Simraha	402 0 0		
		Dhan pat Raot	Do.	Thari Lachmania	611 0 0		
		Harihar Pathuk, Hooras Mandal and Luchman Mali.	3 Tanks	Sookhasun	1,305 0 0		
		Parsadi Mandal	Tank	Murli Mohespur	550 0 0		
		Kakra Mandar, Kasi Mandal, Bhowdia Luboo Sarabjit Mandal, and Mussonut Mahdea.	4 Tanks	Seraigurh	2,357 0 0		
		Gopal Mandar	Tank	Gurhia	300 0 0		
		Gopal Raot	Do.	Dholi	650 0 0		
		Satuk Paikra	Do.	Bulthurwa	365 0 0		
		Babu Nath Misser and Jhoomuk Mandar.	2 Tanks	Ratanpur Bumnia	433 0 0		
		Palhut Manjhi	Tank	Badchaki	500 0 0		
		Shyam Mandar and Kasi Mandar	2 Tanks	Dighia	1,274 0 0		
		Sheeb Charan Sahoo, Tejoo Singh, Inderman Jha and Bulaki Sunri.	5 Tanks	Kunouli	2,538 0 0		
		Manjhi Mandar	Tank	Gopalpur Rupouli	315 0 0		
		Ganga Ram Mandal	Do.	Koreli	660 0 0		
		Burmi Kamat and Bhicromi Mandal	2 Tanks	Dagmara	1,242 0 0		
		Tota Mandal	Tank	Baisaha	550 0 0		
		Chattar Mandal	Do.	Ramburhara	400 0 0		
		Bhikari Mandal	Do.	Teilmugra	700 0 0		
		Karman Mandal, Gopal Surdar and Rootun Raot.	3 Tanks	Malik San Patcha	1,526 0 0		
		Mohur Gope	Tank	Andowli	300 0 0		
		Brij Mandal	Do.	Bowraha Basaha	375 0 0		
		Gocool Mandal	Do.	Arahaetarhi	402 0 0		
		Jhoomuk Mandal	Do.	Ghagripoolharia	473 0 0		
		Manoo Choudhry	Do.	Kissenpur Kawaas Jhari	551 0 0		
		Teoran Shah	Do.	Banks Hat	290 0 0		
		Prasad Misir	Do.	Kissenungo	1,033 0 0		
		Hia Lal Bhakur	Do.	Laskkari	665 0 0		
		Janordhan Singh	Do.	Simra	1,200 0 0		
		Birjoo Singh	Do.	Barail	1,000 0 0		
		Hirai Mandar	Do.	Majhwa	250 0 0		
		Palat Mandar	Do.	Aralia	300 0 0		
		Irjan Shah	Do.	Madhubersa	300 0 0		
		Gopi Choudhuri	Do.	Persa	200 0 0		
		Kanhaya Mandar	Do.	Deghia	400 0 0		
		Jagputi Thakur	Do.	Lalgunge	600 0 0		
		Lochun Mandar	Do.	Barcochi	500 0 0		
		Jay Ram Chowdhuri	Do.	Lowkaha	800 0 0		
		Raj Mandar	Do.	Jhucksahi	500 0 0		
		Girdhary Mandar	Do.	Bela	500 0 0		
		Pershad Mandar	Do.	Bairo	400 0 0		
		Rangi Mandar	Do.	Do.	400 0 0		
		Palut Amut	Do.	Luchminiata	350 0 0		
				Carried over	62,053 0	14,100 0 0	

DIVISION.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand of division.
					Rs. A. P.	Rs. A. P.	Rs.
				Brought forward	62,055 0 0	14,100 0 0	
		Bhikari Koiri	Tank	Kalmagra	250 0 0		
		Ranga Mandar	Do.	Sisoni	800 0 0		
		Chutter Mandar	Do.	Pachgachia	400 0 0		
		Burmi Keot	Do.	Dugmara	500 0 0		
		Moossimian Kunjra	Do.	Kamalgaon	800 0 0		
		Tejoo Singh Rajput	Do.	Koonowni	700 0 0		
		Inderman Jha	Do.	Ditto	800 0 0		
		Shib Charan Shah	Do.	Ditto	800 0 0		
		Boolaki Soonri	Do.	Ditto	500 0 0		
		Kamaldar Keot	Do.	arowlee	450 0 0		
		Khunter Gowala	Do.	Mahna	500 0 0		
		Domun Koiri	Do.	Rahria	500 0 0		
		Thethor Mandar	Do.	Bhoolia	600 0 0		
		Lowki Rajdhap	Do.	Ditto	600 0 0		
		Persadi Koiri	Do.	Bisa	500 0 0		
		Mokrun Mandar	Do.	Jhowrah	900 0 0		
		Bhai Lal Mandar	Do.	Ditto	1,000 0 0		
		Hira Nath Mandar	Do.	Ditto	1,100 0 0		
		Nathoo Mandar	Do.	Leaghoonia	700 0 0		
		Krishna Mandar	Do.	Kajpore	800 0 0		
		Sih Raj Dhope	Do.	Batharwa	800 0 0		
		Jhanti Mandar	Do.	Dhurrumpore	600 0 0		
		Bhugwan Teli	Do.	Bishenpore	500 0 0		
		Lalji Singh	Do.	Bihra	900 0 0		
		Gurdayal Mandar	Do.	Bulta Seamer	1,200 0 0		
		Lal Sahoo Teli	Do.	Ditto	800 0 0		
		Bahadur Kunjra	Do.	Satour	700 0 0		
		Bootun Sahu	Do.	Kamdaha	500 0 0		
		Behari Halwai	Do.	Telhur	600 0 0		
		Kitai Khan	Do.	Bangaon	500 0 0		
		Gidhan Khan	Do.	Ditto	500 0 0		
		Kasi Chahi	Do.	Amarpore	500 0 0		
		Girdhari Sahu	Do.	Telhur	500 0 0		
		Domur Sahu	Do.	Maisarbo	700 0 0		
		Ramdhan Gope	Do.	Sarowni	800 0 0		
		Go-dur Gope	Do.	Ditto	700 0 0		
		Mussumut Boodhis Brahmini	Do.	Pipra	700 0 0		
		Ram Nath Misser	Do.	Bullocabazar	300 0 0		
		Goolab Mandar Koiri	Do.	Dubiahi	1,300 0 0		
		Buchi Sahu	Do.	Ditto	500 0 0		
		Ram Nath Misser	Do.	Bishenpore	400 0 0		
		Girdhari Keot	Do.	Jarowli	750 0 0		
		Kanoo Mandar	Do.	Satkoondria	300 0 0		
		Rohun Mandar	Do.	Lachimpore Chakia	600 0 0		
		Bechun Thakur	Do.	Adria	600 0 0		
		Bunsi Jha	Do.	Kethera	400 0 0		
		Jali Lal Marwari	Masonry well	Barahat	300 0 0		
		Sadho Sahu	Do.	Parbutta	1,000 0 0		
		Mussumut Moona Kurmini	Do.	Lakra	500 0 0		
		Torui Mull Marwari	Dharamshala	Kaziwolicahak	10,000 0 0		
		Maharajah Hurbullub Narnin Singh	Serai	Sonbura	1,600 0 0		
		Works costing less than Rs. 200 each			1,923 0 0	1,06,637 0 0	
		Sheik Kanahri	Tank	Ghanooa	2,050 0 0		
		Bibi Jha	Do.	Dhagri	900 0 0		
		Asman Chowdhuri	Do.	Kukrowni	800 0 0		
		Kareh Biswas	Do.	Khasrait	650 0 0		
		Mussumut Parbati	Do.	Tetrai	500 0 0		
		Pet Lal Sba	Do.	Barhara	400 0 0		
		Mussumut Mohaka	Do.	Lokai	350 0 0		
		Ramai Mandar	Do.	Bakentri	300 0 0		
		Dilwar Hossein	Do.	Bharindangi	300 0 0		
		Bhai Lal Misser	Do.	Tira Khorda	280 0 0		
		Jadu Nath Jha	Do.	Ramnagar	233 0 0		
		Kasi Rai	Do.	Kuapokhur	215 0 0		
		Nazaf Ali	Do.	Chandbatti	200 0 0		
		Sadha Babu	Well	Rasakhna	300 0 0		
		Babu Lal Jha	Do.	Kudumtolahat	200 0 0		
		Works costing less than Rs. 200 each			425 0 0	8,103 0 0	
		Ram Kumar Sarma	Tank	Shiana	1,000 0 0		
		Mahadeb Mandul	Do.	Jawbankonban	500 0 0		
		Purna Chunder Sarkar	Do.	Kharba	400 0 0	1,900 0 0	
		Jugalkishore Halder	Bandh	Jeakhara Jhikti	300 0 0		
		Ram Charan Singh	Do.	Dubrajpore	500 0 0		
		Ram Charan Singh	Do.	Kunda	220 0 0		
		Raja Ram Bahadur Singh	Do.	Jamtara	300 0 0		
		Ram Charan Singh	Tank	Doobjora	282 0 0		
		Moornao Rai	Do.	Chanerpore	225 0 0		
		Narain Rai	Do.	Khairtuni	200 0 0		
		Ganes Rai	Do.	Ditto	200 0 0		
		Babu Ram Chunder Gowku	Dharamshala	Deoghur	16,000 0 0		
		Works costing less than Rs. 200 each			3,890 0 0	23,123 0 0	1,52,969
		Lalla Chand Dilsukraj, of Barabazar in Calcutta.	Dharamshala	Chowliaganj, Nayabazar, pergunnah Bakrabad.	5,000 0 0		
		Rajah Badyanath Pandit, of Chandni Chouk in Cuttack.	Hospital	Chandni Chouk in the town of Cuttack.	5,000 0 0		
		Barju Naik, of Khasparia, pergunnah Asureswar.	Tank	Khasparia, pergunnah Asureswar.	350 0 0		
		Kali Sahu, of Balipatna, pergunnah Oiss.	Do.	Khatini, killah Madhupur	300 0 0		
		Works costing less than Rs. 200 each			214 12 0	14,864 12 0	
		Rajah Baikunthnath De Bahadur, of Balasore.	Constructing a metalled road from Balasore to Nulcool.	Nulcool, police-station Balasore.	4,020 0 0		
		Birbhadra Sarangi, of Juggunnathpore, pergunnah Banbar.	Tank	Sanmool Sing, police-station Soroh.	1,200 0 0		
		Madan Mohun Das, of Panichator, pergunnah Banchara.	Do.	Roitera, police-station Soroh.	700 0 0		
		Ram Nahuk, of Alda, pergunnah Besalkand.	Do.	Alda, police-station Soroh.	590 0 0		
		Doorlabh Parhi, of Makulpore	Do.	Kalidaspore, police-station Basudebpore.	575 0 0		
				Carried over	7,085 0 0	14,864 12 0	

DIVISION.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand Total of division.
					Rs. A. P.	Rs. A. P.	Rs. A.
				Brought forward ...	7,085 0 0	14,864 12 0	.....
		Balbhadra Upadhyas, of Ichapore, pergunnah Banchas.	Tank	Pakargur, police-station Soroh	400 0 0		
		Narin Naik, of Ryesoonan, pergunnah Talsabong.	Do.	Reysoonan, police-station Basta.	350 0 0		
		Narhari Paul, of Begunia, pergunnah Balkhand.	Do.	Thariapada, police-station Soroh.	300 0 0		
		Ouri Barik of Padhunpura	Do.	Padhunpura, police-station Bhudruck.	300 0 0		
		Babu Umesh Chandra Mundle, of Balasore.	Do.	Barasore, police-station Dhamnagar.	250 0 0		
		Sheik Panchkouri Hosain, of Khukrapal, pergunnah kismut Katsahi.	Re-excavation of a tank	Khukrapal, police-station Baliapal.	200 0 0		
		Bisoo Panda, of Kamurda, pergunnah Kamurda.	A small tank	Kamurda, police-station Baliapal.	200 0 0		
	Balasore	Boide Dutt, of Khanupore, pergunnah Kamurda.	Ditto	Kurhoopur, police-station Baliapal.	225 0 0		
		Gobind Parmanik, of Padima, pergunnah Satmulang.	Ditto	Padima, police-station Baliapal.	200 0 0		
		Maguni Das, of Barhampore, pergunnah Banchas.	Ditto	Sybera, police-station Soroh ...	200 0 0		
		Gobind Upadhyas, of Asimla, pergunnah Bisalkand.	Ditto	Asonila, police-station Soroh ...	200 0 0		
		Anunta Kar, of Bagda, pergunnah Bisalkand.	Ditto	Bagda, police-station Soroh ...	200 0 0		
		Bhikari Mahapatra, of Bental ...	Ditto	Bental, police-station Bhudruck.	200 0 0		
		Mulli Mussu, of Durzapore ...	Ditto	Durgapore, police-station Bhudruck.	200 0 0		
		Babu Umesh Chandra Mandal, of Balasore.	Ditto	Pora, police-station Basudebpur.	200 0 0		
		Works costing less than Rs. 200 each	.....	.....	2,580 0 0	13,350 0 0	
		Raghu Das	Tank	Sunspudar, police-station Banpore.	2,700 0 0		
		Mohant Raghoonandan Ramanuj Das.	Do.	Jugurnathbulhub, police-station Pooree.	500 0 0		
		Mohunt Suntopersad Das	Do.	Gobindpore, police-station Pooree.	200 0 0		
	Pooree	Banomullie Das	Do.	Ketkepatna, police-station Pooree.	200 0 0		
		Rajah of Parikood	Do.	Kushnopersad, police-station Pooree.	200 0 0		
		Bhobnee Biswal	Do.	Durrah, police-station Piplee	200 0 0		
		Michu Porerah	Well	Khungrea, police-station Khorda.	200 0 0		
		Works costing less than Rs. 200 each	.....	.....	787 8 0	4,987 8 0	33,202 4 0
	Hazaribagh	Works costing less than Rs. 200 each	.....	.....	404 0 0	404 0 0	
		Bakhorlal, of Lowar	Masonry well	Lowar, in police-station Chatterpur.	250 0 0		
	Lohardugga	Nothni Sahu, of Daltongunge ...	Do.	Kerma in police-station Daltongunge.	350 0 0		
		Works costing less than Rs. 200 each	.....	.....	100 0 0	700 0 0	
		Sahabaz Khan, of Bagmundi, police-station Bagmundi.	Tank	Nishintipur	400 0 0		
	Manbhoom	Khuchu Mahto, of Madaidi, pergunnah Katras, police-station Topechanchi.	Do.	Madaidi, pergunnah Katras ...	300 0 0		
		Works costing less than Rs. 200 each	.....	.....	380 0 0	1,080 0 0	
		Colonel W. L. Samuels	Deepening the Chybassa tank.	Chybassa	1,100 0 0		
	Singbhoom	Bara Baboo, of Khas Seraikella ...	Bandh	Richituka, in Seraikella ...	400 0 0		
		Baboo Ranjit Sing Deo, of Dugni ...	Do.	Choora, pergunnah Seraikella	500 0 0		
		Works costing less than Rs. 200 each	.....	.....	90 0 0	2,090 0 0	4,274 0 0

SUMMARY.

						Rs. A. P.
Total of Burdwan	Division	...	...	...	...	43,741 1 0
Ditto Presidency	do.	...	...	...	...	47,855 8 6
Ditto Rajshahye	do.	...	...	...	...	71,909 10 0
Ditto Dacca	do.	...	...	...	...	31,428 0 0
Ditto Chittagong	do.	...	...	...	...	8,080 0 0
Ditto Patna	do.	...	...	...	...	2,55,824 8 3
Ditto Bhagulpore	do.	...	...	...	...	1,52,869 0 0
Ditto Orissa	do.	...	...	...	...	33,202 4 0
Ditto Chota Nagpore	do.	...	...	...	...	4,274 0 0

GRAND TOTAL OF DIVISIONS

6,49,133 15 9

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 22nd November 1890.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.																				
BENGAL.																								
Western Districts.																								
BURDWAN DIV.	1	Burdwan Nov. 22, '90	Nil	Weather—bright and cold. Prospects of crops excellent. All agricultural operations in progress to the fullest extent. Price of common rice 16 seers per rupee on an average.																				
	2	Bankoora „ 22, '90	Nil	Weather—seasonable. <i>Nuan dhan</i> is being reaped. <i>Amun dhan</i> is ripening. <i>Rubbi</i> sowings still continue. Sugarcane doing well. Yesterday (21st) at about 1 P.M. a large swarm of winged locusts alighted at the Sudder station and many miles round it, doing much injury to the young <i>rubbi</i> plants, but, as far as known, none to rice. Report as to extent of damage not yet received. Common rice selling at 20 seers per rupee both at Sudder and Bissenpore.																				
	3	Birbhum „ 22, '90	Nil	Clear and fine weather. Prospects of crops continue to be excellent. Price of rice from 17 to 20 seers per rupee.																				
	4	Midnapur „ 22, '90	Nil	Weather—dry; winds northerly. Rice being cut in some places. In Ghatal rain would improve <i>rubbi</i> crops. Prices of common rice :— <table><tr><td>Sudder</td><td>...</td><td>...</td><td>...</td><td>16</td></tr><tr><td>Tumlook</td><td>...</td><td>...</td><td>...</td><td>16</td></tr><tr><td>Ghatal</td><td>...</td><td>...</td><td>...</td><td>16</td></tr><tr><td>Contai</td><td>...</td><td>...</td><td>...</td><td>19</td></tr></table> } per rupee.	Sudder	16	Tumlook	16	Ghatal	16	Contai	19
	Sudder	16																			
Tumlook	16																				
Ghatal	16																				
Contai	19																				
5	Hooghly „ 22, '90	Nil	Weather—cold, especially at night. Prospects of all crops good. Harvesting of rice commenced. Prices of common rice :— <table><tr><td>Sudder</td><td>...</td><td>...</td><td>...</td><td>13</td></tr><tr><td>Scrapore</td><td>...</td><td>...</td><td>...</td><td>13</td></tr><tr><td>Jehanabad</td><td>...</td><td>...</td><td>...</td><td>16½</td></tr></table> } per rupee.	Sudder	13	Scrapore	13	Jehanabad	16½						
Sudder	13																				
Scrapore	13																				
Jehanabad	16½																				
	Howrah „ 22, '90	Nil	Weather—seasonable. <i>Amun</i> crop doing well. Prospects good. Price of common rice 14 to 14½ seers per rupee.																					
Central Districts.																								
PRESIDENCY DIV.	6	24-Perghs. Nov. 25, '90	Nil	Weather—seasonable. Prospects of <i>amun</i> crop excellent. Ploughing going on for winter crops. On the 18th there was a flight of locusts over the Bussirhat subdivisional head-quarters. The insects passed from north-west to south-east direction and did slight damage to <i>rubbi</i> crops. Prices stationary.																				
	7	Nuddea „ 22, '90	Nil	Weather—seasonable. Harvesting of <i>amun</i> and sowing of winter crops still going on. Prospects of crops good.																				
	8	Khoolna „ 22, '90	Nil	Weather—seasonable. Prospects of <i>amun</i> favourable except in the flooded area.																				
	9	Jessore „ 22, '90	Nil	Weather—seasonable. Harvesting of <i>amun</i> commenced and price of rice reduced in some places. Sowing of <i>rubbi</i> crops still going on. Agricultural loans are still being issued.																				
RAJSHAHY DIV.	10	Moorshedabad „ 22, '90	Nil	Weather—getting cool. Harvesting of <i>haimanti</i> rice commenced. <i>Rubbi</i> crops being sown. <i>Kalai</i> doing well. Prospects good.																				
	11	Dinagepur „ 22, '90	Nil	Weather—seasonable. Prospects of crops continue good. Price of rice stationary. No more damage by locusts reported.																				
	12	Rajshahye „ 22, '90	Nil	Weather—dry and cool. Harvesting of winter paddy commenced. Prospects good. Prospects of ganja improving. <i>Rubbi</i> crops being sown.																				
	13	Rungpur „ 22, '90	Nil	Cold weather has set in. Everything promises fairly. Winter rice ripening and will be a heavy crop. A good deal of jute has remained uncut owing to a great fall in market price.																				
	14	Bogra „ 22, '90	Nil	Weather—seasonable. Winter rice generally doing very well, and in a few places harvesting has begun. <i>Rubbi</i> crops thriving where sown, and other lands are being prepared for them. Common rice selling at 15½ seers per rupee.																				
	15	Pubna „ 22, '90	Nil	Weather—seasonable. Prospects of standing crops continue good. <i>Amun</i> is being reaped. Mustard and tobacco are being sown. Prices slightly lower.																				
	16	Darjeeling „ 22, '90	Nil	Weather—bright; mornings and evenings cold. Prospects of crops good. <i>Marua</i> is being harvested. Winter rice doing well in the hills.																				
	17	Jalpigoree „ 22, '90	Nil	Weather—seasonable. Prospects of crops favourable. Price of rice stationary.																				

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.			
Eastern Districts.			
Dacca Divn.	18 Dacca Nov. 22, '90	Nil	Weather—seasonable. Cultivation for winter crops going on. Late rice thriving. Price of common rice 12 to 16 seers per rupee.
	19 Furreedpur „ 22, '90	Nil	Weather—seasonable. State of standing crops fair. <i>Amun</i> paddy being harvested. Cultivation and sowing of winter crops in progress. Common rice selling at 13, 14 and 17 seers per rupee at the Sudder, Goalundo, and Madaripur subdivisional head-quarters respectively. Flight of locusts continuing since yesterday (21st); direction west to east; extent of damage cannot at present be estimated.
	20 Backergunge „ 22, '90	Nil	Weather—seasonable. State and prospect of crops fair. Common rice selling at about 13 seers per rupee.
	21 Mymensingh „ 22, '90	Nil	Weather—seasonable. Prospects of <i>amun</i> favourable. <i>Rubbi</i> sowings still continue. Price of common rice 12½ seers per rupee.
Chittagong Divn.	22 Chittagong „ 25, '90	Nil	Weather—seasonable. Harvesting of early winter rice commenced. Prospects of <i>amun</i> promising. Cultivation of vegetable crop continues. Prices unchanged.
	23 Noakholly „ 22, '90	Nil	Weather—seasonable. State of <i>amun</i> crop good. <i>Rubbi</i> crops progressing.
	24 Tipperah „ 22, '90	Nil	Weather—seasonable. Lands are being prepared for winter crops. <i>Amun</i> is being reaped. Prospects good. Prices stationary.
	25 Chittagong Hill Tracts „ 20, '90	Nil	Weather—seasonable; dense fogs in nights and mornings. Gathering of cotton continues. Harvesting of early plough-paddy going on. Lands are still being ploughed in some places for mustard. Common rice is being sold at 11 seers 6½ chittacks per rupee.
Hill Tipperah		...	Report not received.
BEHAR.			
Patna Divn.	26 Patna Nov. 22, '90	Nil	Weather—cool. Harvesting of paddy commenced in some places. Sowing of <i>rubbi</i> and poppy still continues. <i>Rubbi</i> crops already sown are growing well. <i>Rubbi</i> and cotton look flourishing. Prices of food-grains almost stationary.
	27 Gya „ 32, '90	Nil	Weather—cold and fair. Sowing of <i>rubbi</i> and poppy crops finished. Paddy harvest going on throughout the district. Prospects favourable. Prices of food-grains falling.
	28 Shahabad „ 22, '90	Nil	Weather—cool with passing clouds. All crops looking promising.
	29 Durbhunga „ 22, '90	Nil	Weather—getting cool. Harvesting of rice crop commenced in places. <i>Rubbi</i> crops look promising. Poppy sowing in progress. Price of common rice falling.
	30 Mozufferpur „ 22, '90	Nil	Weather—seasonable. Prospects of all crops continue excellent. Weather very favourable for poppy cultivation.
	31 Sarun „ 22, '90	Nil	Weather—bright and cool at night. <i>Rubbi</i> sowings nearly completed. Prospects excellent. Poppy sowings rapidly progressing.
Bhagulpore Divn.	32 Champaran „ 22, '90	Nil	Weather—seasonable. Paddy beginning to ripen. <i>Rubbi</i> and poppy sowings progressing and are germinating freely owing to the soil having plenty of moisture.
	33 Monghyr „ 22, '90	Nil	Weather—seasonable. State and prospects of winter rice continue favourable. <i>Rubbi</i> sowings still going on; early sowings have germinated well.
	34 Bhagulpore „ 22, '90	Nil	Weather—rather warm for the season. <i>Rubbi</i> sowings drawing to a close. Prospects of all crops good.
	35 Purneah „ 22, '90	Nil	Weather—somewhat hot during the day; nights cool. In spite of partial damage by floods, a full <i>aghani</i> crop may be expected. <i>Rubbi</i> crops doing well and promise a good harvest.
	36 Maldah „ 22, '90	Nil	Weather—seasonable. Prospects of crops good. Common rice selling at from 13 to 18 seers per rupee.
	37 Sonthal Perghe „ 22, '90	Nil	Weather—seasonable. Prospects of all crops good. Harvesting of early rice in progress, and a full outturn expected. Common rice selling at 22 seers per rupee.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.			
ORISSA DIVN.	38 Cuttack	...	Report not received.
	39 Pooree	„ 20, '90	Nil
	40 Balasore	„ 22, '90	Nil
CHOTA NAGPORE.			
South-West Frontier Agency.			
CHOTA NAGPORE DIVN.	41 Hazaribagh	Nov. 22, '90	Nil
	42 Lohardugga	„ 22, '90	Nil
	43 Singbhoom	„ 22, '90	Nil
	44 Manbhoom	„ 22, '90	Nil

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 25th November, 1890.P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE
HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL
DURING THE FORTNIGHT ENDING THE
15TH NOVEMBER 1890.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. (Sorghum Vulgare.)					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
BENGAL.																			
Western Districts.																			
1	Bardwan	14 0	14 0	13 4	...	...	...	12 12	12 6	12 0	16 2	16 9	16 13	...	...	...
2	Bankoora	13 12	14 0	13 12	18 0	18 0	14 8	17 0	17 0	15 0	20 0	19 0	19 0	...	...	...
3	Beerbhoom	17 4	17 4	15 0	...	...	...	13 8	13 8	12 0	16 8	16 8	15 0	...	...	...
4	Midnapore	10 8	10 8	13 8	...	...	...	11 0	13 0	12 8	16 0	16 12	15 8	...	...	...
5	Hooghly	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	13 0	13 0	12 0	...	...	...
	Howrah	...	...	...	...	...	...	10 0	10 0	9 8	14 0	13 8	13 8	...	...	...
Central Districts.																			
	Calcutta	13 3	13 6	13 4	17 10	17 15	16 13	8 10	8 12	8 2	13 3	13 1	12 12	16 0	...	16 10			
6	24-Pergunnabs	13 0	14 0	14 0	18 0	20 0	16 0	8 0	8 0	7 8	15 0	15 0	15 0	...	...	...
7	Nuddea	15 10	15 4	14 14	17 12	16 0	16 0	11 6	11 6	10 8	15 4	13 10	13 6	...	...	...
8	Khoolna	...	...	...	...	...	...	12 8	12 0	11 0	15 0	14 8	14 0	...	...	...
9	Jessore	13 0	13 0	13 5	...	...	...	11 0	11 0	9 0	13 0	13 0	12 0	...	...	...
10	Moorshedabad	16 0	16 0	16 0	...	...	...	10 0	10 0	10 8	16 6	16 0	15 0	...	...	...
11	Dinapore	15 10	15 10	16 0	18 0	21 12	23 0	15 0	13 4	13 4	18 0	16 12	17 12	...	...	...
12	Rajshahye	16 8	16 8	15 0	24 0	19 8	20 10	12 12	12 12	9 12	15 15	15 0	12 12	...	...	...
13	Rungpore	13 5	13 5	13 5	...	...	...	9 6	9 6	9 6	13 5	13 5	12 4	...	...	...
14	Bogra	15 0	15 0	13 8	...	...	...	12 0	12 0	12 0	15 12	14 4	14 4	...	...	...
15	Pubna	18 12	18 0	16 14	...	...	...	7 5	7 5	7 8	15 8	14 4	15 0	...	...	...
16	Darjeeling	8 0	8 0	10 0	10 0	9 0	9 0	5 0	5 0	5 0	13 0	12 0	12 0	...	...	...
17	Julpigoree	13 0	13 0	12 0	16 0	16 0	16 0	8 0	8 0	8 0	16 0	16 0	14 0	...	...	...
Eastern Districts.																			
18	Dacca	12 0	12 0	13 0	14 0	14 0	20 0	13 0	13 0	10 0	14 0	14 0	12 0	...	...	...
19	Furreedpore	18 0	16 0	13 0	25 0	20 0	...	12 0	10 0	8 0	14 0	13 0	12 0	...	...	...
20	Backergunge	...	...	...	...	...	...	12 4	11 12	10 4	13 4	13 4	15 0	...	...	...
21	Mymensingh	11 4	12 0	10 0	...	...	...	10 0	10 0	9 0	12 12	13 0	10 0	...	...	...

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 10 seers 6 chittacks, and Raneeungunge 10 seers.

B At Rampore Hant retail price of salt 9½ seers per rupee.

C In subdivisions retail prices of salt per rupee are :—Contai 9 seers, Tumlook 8 seers, and Ghatal 11 seers.

D In subdivisions retail prices of salt per rupee are :—Serampore 10½ seers and Jehanabad 11 seers.

E In subdivisions retail prices of salt per rupee are :—Baraset 10 seers, Basirhat 10 seers, Diamond Harbour (at Magrahat) 10 seers, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.

F In subdivisions retail prices of salt per rupee are :—Kooakata 10 seers, Meherpore 11 seers, Chooadanga 10 seers, and Ranaghat 10 seers.

G In subdivisions retail prices of salt per rupee are :—Satkhira 10 seers and Bagirhat 8 seers.

H In subdivisions retail prices of salt per rupee are :—Jhenida 9 seers, Magura 10 seers, Narail 9½ seers, and Bongong 10 seers.

MARUA OR FAGI.
(*Hleusine Corocana*.)

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1

Head-quarter Station Bazars of the Districts of Bengal on the 15th November, 1890.

															WHOLESALE PRICES PER MAUND OF 40 SEERS.						DISTRICTS.
INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR, CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.									
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.							
BENGAL.																					
Western Districts.																					
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.							
...	...	...	18 0	18 8	18 0	100 0	100 0	100 0	A k	k	11 2-1	11 2-2	10 5	3 7 6	3 7 6 3 11 3	Burdwan.			
30 0	32 0	28 0	16 0	18 0	16 0	280 0	28 0	28 0	10 8	10 8	10 0	3 10 0	3 10 0	3 15 0	0	Bankoora.					
...	...	...	13 8	13 8	10 8	160 0	160 0	160 0	B	10 8	10 8	10 8	3 10 0	3 10 0	3 10 0	0	Beerbhoom.		
...	...	...	11 8	12 0	12 0	110 0	120 0	160 0	C	10 8	10 8	10 3	3 13 0	3 13 0	3 15 0	0	Midnapore.		
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	D	9 0	9 0	9 0	3 12 0	3 12 0	3 11 6	0	Hooghly.		
...	...	...	11 4	12 8	12 8	100 0	100 0	100 0	10 8	10 8	9 2	3 8 0	3 8 0	3 14 0	0	Howrah.			
Central Districts.																					
16 0	17 13	19 0	14 2	15 6	17 9	90 0	90 4	100 0	10 10	10 4	9 12	3 7 6	3 10 5	3 12 11		Calcutta.					
...	...	...	15 0	14 8	18 0	100 0	100 0	100 0	E	10 12	10 12	10 0	3 6 6	3 6 6	3 9 6	0	24-Pergunnahs.		
...	...	...	16 0	16 0	17 12	...	...	...	F	9	9 13	9 2	3 12 0	3 12 0	3 14 0	0	Nuddea.
...	...	...	...	...	...	16 0	160 0	140 0	G	8 0	8 0	8 0	4 0 0	4 0 0	4 8 0	0	Khoolna.
...	...	...	16 0	16 0	16 0	160 0	16 0	160 0	H	9 2	9 2	9 2	4 0 0	4 0 0	4 0 0	0	Jessore.		
...	...	...	16 0	16 0	16 0	200 0	200 0	220 0	I	10 12	10 12	11 0	3 12 0	3 12 0	3 8 0	0	Moorshedabad.		
...	...	...	15 10	15 10	19 4	160 0	160 0	160 0	J	10 0	8 12	4 0 0	4 0 0	4 8 0	0	Dinagepore.			
...	...	...	17 12	18 4	17 4	240 0	240 0	240 0	K	9 9	9 9	9 9	3 13 4	3 13 4	4 2 3	0	Rajshahye.		
...	...	...	10 10	10 10	12 4	100 0	100 0	100 0	L	9 6	9 6	8 14	4 4 0	4 4 0	4 8 0	0	Rungpore.		
...	...	...	...	...	...	90 0	90 0	90 0	9 6	9 12	9 0	4 0 0	4 0 0	4 2 8	0	Bogra.	
...	...	...	17 4	17 4	17 4	200 0	200 0	200 0	M	8 15	8-11-2	8-11-2	3 14 0	3 14 0	4 1 0	0	Pubna.		
20 0	20 0	22 0	10 0	10 0	8 0	120 0	120 0	120 0	N	8 0	8 0	7 0	5 0 0	5 0 0	5 0 0	0	Darjeeling.				
...	...	...	12 0	12 0	12 0	200 0	200 0	128 0	O	10 0	9 0	9 0	4 0 0	4 0 0	4 2 0	0	Julpigoree.		
Eastern Districts.																					
...	...	...	16 0	16 0	14 0	120 0	120 0	160 0	P	9 12	9 12	10 0	4 0 0	4 0 0	3 15 0	0	Dacca.		
16 0	16 0	18 0	13 0	10 0	10 0	120 0	120 0	120 0	10 0	10 0	9 0	3 14 0	3 14 0	4 4 0	0	Furreedpore.					
...	...	...	13 0	13 0	11 8	100 0	100 0	120 0	Q	10 10	10 10	10 0	3 12 0	3 12 0	4 0 0	0	Backergunge.		
...	...	...	13 0	10 0	...	...	...	...	R	9 8	9 8	8 8	4 0 0	4 2 0	4 8 0	0	Mymensingh.

I In subdivisions retail prices of salt per rupee are :—Jungipore 10 seers, Lalbagh 10½ seers, and Kandi 11 seers.

J In Thakurgaon retail price of salt 8 seers per rupee.

K In subdivisions retail prices of salt per rupee are :—Natore 9 seers and Nowgong 9 seers 9 chittacks.

L In subdivisions retail prices of salt per rupee are :—Kurigram 8 seers, Nilphamati 9 seers, and Gaibanda 8 seers.

M At Serajgunge retail price of salt 10 seers per rupee.

N At Siliguri wholesale price of salt Rs. 4-4 per maund.

O In Alipore subdivision (at Fallacutta) retail price of salt 8 seers per rupee.

P In subdivisions retail prices of salt per rupee are :—Manickgunge 9 seers, Moonshagunge 8½ seers and Naraingunge 10 seers.

Q In subdivisions retail prices of salt per rupee are :—Porosopore 9 seers, Bhola 8 seers, and Patuakhali 9 seers.

R In subdivisions retail prices of salt per rupee are :—Kishoregunge 8 seers, Jamalpore 8½ seers, Shoropore 8 seers and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

		QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. (Sorghum Vulgare.)		
Number.	DISTRICTS.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
Eastern Districts—concluded.																
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ...	12 0	11 0	10 0	...	...	...	11 0	12 0	8 0	15 14	15 12	15 0	...	...	...
23	Noakholly ...	...	...	...	...	...	...	14 8	14 0	11 0	16 0	15 0	13 0	...	...	...
24	Tipperah ...	10 0	10 0	12 5	...	...	...	11 7	10 0	10 10½	16 0	13 14½	17 12½	...	...	...
25	Chittagong Hill Tracts. Hill Tipperah*	...	...	...	...	...	...	10 5	10 5	9 6	11 6½	11 6½	10 0	...	...	...
26	BEHAR. Patna ...	17 2	Red. 16 12 White. 15 12	18 0	19 0	17 0	21 0	11 0	11 0	10 0	17 0	16 4	16 8	...	...	24 0
27	Gya ...	15 8	15 4	14 12	19 0	18 12	18 0	10 0	10 0	10 0	17 0	17 0	16 8	...	...	...
28	Shahabad ...	15 8	15 8	14 0	16 0	16 0	20 0	9 0	9 0	9 0	15 0	16 0	12 0	...	...	...
29	Durbhunga ...	14 0	13 4	16 0	17 9	16 8	14 13	12 0	13 0	14 4	16 8	16 8	20 9	...	...	...
30	Mozufferpore ...	16 0	16 0	12 8	17 0	18 0	18 8	8 0	9 0	9 0	14 0	14 0	14 0	...	...	...
31	Sarun ...	14 8	15 8	15 8	16 8	16 0	19 8	8 8	8 4	8 8	14 14	14 8	11 12	...	...	...
32	Chumparun ...	16 0	16 0	12 0	21 0	19 0	12 0	9 0	9 0	8 0	17 0	16 0	18 0	...	...	...
33	Monghyr ...	15 12	16 12	18 14	17 13	16 12	18 14	11 0	11 0	11 9	14 11	15 3	13 10	...	...	...
34	Bhagulpore ...	16 7	16 6	17 10	18 15	20 3	18 15	10 1	Old. 10 11 New. 12 10	12 0	12 10	Old. 13 14 New. 15 12	16 6	...	...	...
35	Purneah ...	15 0	16 0	17 0	...	...	...	15 0	15 0	13 0	17 0	17 0	20 0	...	...	...
36	Maldah ...	17 0	18 0	14 0	...	...	...	11 0	11 0	12 0	15 8	16 0	14 0	...	...	...
37	Sonthal Perghs.	14 0	14 0	15 0	...	...	...	13 0	12 0	13 0	20 0	15 0	16 0	...	...	...
ORISSA.																
38	Cuttack ...	13 2	14 7	13 2	...	...	...	10 8	10 8	10 8	18 6	21 0	17 0	...	...	...
39	Pooree ...	11 7	14 7	13 2	...	...	...	14 7	14 7	13 2	21 0	21 0	17 1	...	...	...
40	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	12 0	13 0	22 0	22 0	22 0	...	...	...
CHOTA NAGPORE.																
South-West Frontier Agency.																
41	Hazaribagh ...	14 0	14	13 0	16 0	17 0	15 0	10 0	10 0	10 0	19 0 / 16 0 (now) 21 0 / 20 0	17 0	...	...	...	...
42	Lohardugga ...	13 0	Red. 14 0	13 0	21 0	...	13 0	13 12 New. 16 0	13 8	13 0	18 0	New. 18 0 Old. 16 0	15 8	...	...	...
43	Singbhoom ...	16 0	12 0	10 0	20 0	17 0	12 0	14 0	14 0	16 0	16 0	15 0	20 0	...	...	...
44	Manbhoom ...	13 5	13 5	12 0	28 0	28 0	...	13 0	13 0	14 0	23 0	20 0	24 8	...	...	...

* Return not received.

S At Cox's Bazar retail price of salt 8 seers per rupee.

T At Feni Hat retail price of salt 8½ seers per rupee.

U In subdivisions retail prices of salt per rupee are:—Buxar 10½ seers, Sasseram 10½ seers, and Bhabuah 9½ seers.

V In subdivisions retail prices of salt per rupee are:—Madhubani 10 seers and Samastipore 11 seers.

W In subdivisions retail prices of salt per rupee are:—Hajipore 9½ seers and Sitamarhi 10 seers.

X At Bettiah retail price of salt 10 seers per rupee.

CALCUTTA,
The 25th November, 1890.

BAJNA OR CUMBU. (<i>Pennisetum typho-</i> <i>ideum</i> .)	MARUA OR RAGI. (<i>Elettaria Coriaria</i> .)
--	--

[illegible]

...			22	0	26	8
-----	--	-----	--	-----	--	----	---	----	---

28	0	28	0	24	8
----	---	----	---	----	---

100

[illegible]

Present return.	K. ANONI OR KAKRU, ITALIAN MILLER, (Setaria italica.)
Next preceding return.	
Corresponding return of last year.	
Present return.	CHAM, CHAI, CHHOLA, KADI, OR SUNAG, (Cyperus orizicola)
Next preceding return.	

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
12	8	13	0	11					
13	0	11	0	11					
16	0	16	0	11					

16	0	16	0	23	0	19	0	19	8	2
16	0	14	12	15	0	19	0	18	0	18
...	...	...	...	...	...	20	0	20	0	20
...	...	...	...	...	...	19	12	19	0	20
...	...	...	...	...	...	16	0	17	0	18
14	0	14	0	12	0	17	4	17	4	19
...	...	...	...	...	...	19	0	18	0	18
14	11	14	11	...	...	21	0	21	0	21
...	...	...	...	...	...	20	3	20	13	13
...	...	...	...	...	...	18	0	18	0	18
...	...	...	...	...	...	20	0	21	0	18
...	...	...	...	...	...	16	0	16	0	18

14	7	15	15	...	...	...
14	7	13	2	...	...	...
14	0	14	0	...	...	...

...
...
...
...

Station Bazars of the Districts of Bengal on the 15th November, 1890—(concluded).

												WHOLESALE PRICES PER MAUND OF 40# SEERS.			DISTRICTS.		
INDIAN CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR. CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.					
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
...	...	...	...	...	...	110 0	110 0	100 0	10 0	10 0	9 0	3 14 0	3 14 0	4 0 0	Chittagong.
...	...	...	8 0	8 0	8 0	...	...	...	9 0	9 0	9 0	4 0 0	4 0 0	4 0 0	Noakholly.
...	...	...	11 7	10 0	8 0	...	...	...	10 0	10 0	8 14	4 0 0	4 0 0	4 8 0	Tipperah.
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts. Hill Tipperah.
Eastern Districts—concluded.																	
19 0	21 0	23 0	...	19 0	22 0	130 0	120 0	130 0	9 8	10 0	9 8	3 10 0	3 10 0	3 14 0	BEHAR. Patna.		
...	...	...	17 0	16 8	19 0	160 0	160 0	200 0	10 0	10 0	9 2	4 2 0	4 2 0	4 2 0	Gya.
...	...	...	17 0	17 0	20 0	120 0	120 0	140 0	10 0	10 0	10 0	3 15 0	3 15 0	3 15 0	Shahabad.
19 12	20 0	26 0	17 0	17 0	20 4	160 0	160 0	200 0	11 0	11 0	11 4	3 8 0	3 8 0	3 8 0	Durbhunga.		
18 0	18 0	22 0	16 0	20 0	17 8	160 0	160 0	160 0	10 0	10 0	10 0	4 0 0	3 4 0	3 12 0	Mozufferpore.		
18 0	17 3	22 0	16 4	17 12	21 8	180 0	180 0	160 0	10 4	10 4	9 8	3 14 0	3 13 0	4 2 0	Sarun.		
20 0	21 0	22 8	17 0	17 8	17 8	160 0	160 0	160 0	10 0	10 0	10 0	3 13 0	3 11 0	4 1 0	Chumparan.		
21 0	21 0	23 1	17 13	16 12	18 14	168 0	168 0	147 0	9 15	9 15	9 8	3 13 0	3 13 0	4 0 0	Monghyr.		
21 7	21 7	24 0	17 11	18 10	17 10	151 8	151 8	164 0	10 8	10 0	10 1	3 11 0	3 14 6	4 0 0	Bhagulpore.		
...	...	...	14 0	15 0	16 0	130 0	130 0	200 0	9 0	9 0	9 0	4 7 0	4 7 0	4 7 0	Purneah.
...	...	...	...	...	...	120 0	120 0	120 0	9 0	9 0	8 0	4 0 0	4 0 0	5 0 0	Maldah.
21 0	21 0	27 0	20 0	21 0	17 0	200 0	200 0	200 0	9 0	9 0	9 4	3 14 0	3 14 0	4 0 0	Sonthal Pergas.		
ORISSA.																	
...	...	...	18 6	19 11	18 6	80 0	80 0	80 0	11 0	11 0	11 0	3 12 0	3 12 0	3 12 0	Cuttack.
...	...	...	17 12	17 12	15 12	80 0	80 0	80 0	9 13	9 13	11 13	3 12 0	3 12 0	3 6 0	Pooree.
...	...	...	...	...	...	160 0	160 0	160 0	10 0	10 0	9 0	3 14 0	3 14 0	4 2 0	Balasore.
CHOTA NAGPORE.																	
South-West Frontier Agency.																	
25 0	20 0	30 0	20 0	20 0	16 0	240 0	240 0	320 0	8 0	8 0	8 0	4 2 0	4 3 0	4 8 0	Hazaribagh.		
28 8	34 0	40 0	24 8	22 0	15 8	130 0	130 0	140 0	9 0	9 0	8 8	4 2 0	4 2 0	4 9 0	Lohardugga.		
20 0	20 0	32 0	18 0	21 0	12 0	240 0	240 0	200 0	9 0	9 0	7 0	4 6 0	4 6 0	5 8 0	Singbhoom.		
26 0	...	32 0	16 0	18 0	15 0	200 0	200 0	200 0	9 14	9 14	9 0	3 14 0	3 12 0	4 2 6	Manbhoom.		

Y In subdivisions retail prices of salt per rupee are :—Beguseral 9½ seers and Jamui 9 seers.

Z In Arrareah subdivision (at Ranigunge) retail price of salt 10 seers per rupee.

Z1 At Bhudruck retail price of salt 9 seers per rupee.

Z2 At Daltongunge retail price of salt 8 seers 2 chittacks per rupee.

Z3 At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
MARIS.												
1 Calcutta ...	R. A. P. 2 12 10	R. A. P. 2 11 10	R. A. P. 2 12 3	R. A. P. 2 0 2	R. A. P. 1 10 6	R. A. P. 2 1 10	R. A. P. 4 5 10	R. A. P. 4 5 2	R. A. P. 4 10 0	R. A. P. 2 12 3	R. A. P. 2 12 11	R. A. P. 2 13 9
2 Serajunge ...	1 12 0	2 4 0	2 2 0	...	...	...	4 10 0	4 13 0	4 8 0	3 4 0	3 4 0	2 0 0
3 Dacca ...	3 4 0	3 4 0	3 0 0	2 12 0	2 12 0	1 15 0	3 0 0	3 0 0	3 15 0	2 13 0	2 13 0	3 8 0
4 Narainjunge	...	...	...	...	...	...	3 0 0	3 0 0	3 12 0	2 12 0	2 12 0	3 4 0
5 Chittagong	3 4 0	3 8 0	3 12 0	...	...	...	3 8 0	3 4 0	4 8 0	2 8 0	2 8 0	2 10 0
6 Patna ...	{ 2 5 0 2 5 6 2 8 0 } White.	2 3 0	2 6 9	2 0 0	2 5 0	1 14 0	3 8 0	3 8 0	3 14 0	2 5 6	2 6 0	2 5 6
7 Balasore ...	2 8 0	2 8 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	3 0 0	1 13 0	1 13 0	1 12 0
8 Poore ...	...	...	...	...	...	...	...	...	...	1 14 3	1 14 3	2 6 9
Cuttack ...	3 0 0	2 10 0	3 0 0	...	...	...	3 10 0	3 10 0	3 0 0	2 2 0	1 11 0	2 6 0

CALCUTTA,

The 25th November, 1890.

ТОМАР ОУ ЧОЛУТ.
(*Sorghum Vulgare*.)

БАЖА ОУ СУНУ.
(*Pennisetum typhoides*.)

2404a

OF 40 SEERS.

[illegible]

24046

the unaccredited Lists of Bengal on the 15th November, 1890.

GRAIN, CHANA, CHHOLA, KADLAY OR SUNAGA, (Other Arisium.)	INDIAN-CORN OR MAIZE, (Zea Mays.)			ARHAR OR TURR, CADJAN PEA, (Cajanus indicus.)			FIREWOOD.			SALT.			MATS.	
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.		
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.		
2 5 2	0 7 2	6 3 2	3 10 1	1 15 10	1 14 2	2 8 11	2 5 6	2 0 3	0 5 9	0 5 9	0 5 6	3 10 5	3 12 11	Calcutta.
...	2 8 0	3 0 0	...	...	...	...	...	...	...	...	3 14 0	3 14 0	3 14 0	Sorajunge.
...	2 8 0	3 0 0	...	...	...	2 8 0	2 8 0	2 12 0	0 5 0	0 5 0	0 4 0	4 0 0	4 0 0	Dacca.
...	3 8 0	3 0 0	...	...	...	3 4 0	3 8 0	3 12 0	0 8 0	0 8 0	0 8 0	3 11 0	3 12 0	Narainjunge.
...	2 14 0	3 4 0	...	...	...	...	...	...	0 5 4	0 5 4	0 7 0	3 14 0	3 14 0	Chittagong.
1 12 0	2 0 0	1 12 0	2 1 0	1 13 0	1 11 0	...	2 0 0	1 12 0	0 5 0	0 5 0	0 5 0	3 10 0	3 10 0	Patna.
...	2 12 0	2 12 0	...	...	...	...	...	...	0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	Balsore.
...	...	...	...	...	...	...	...	...	...	...	3 12 0	3 12 0	3 6 0	Pooree.
...	2 5 0	1 14 0	...	...	...	2 2 0	2 0 0	2 2 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	Cuttack.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	STATION OBSERVATIONS.																
	DISTRICT.	Representative station.	AIR PRESSURE.			WIND.		TEMPERATURE.									
			Mean barometric height, 8 A.M.	Mean reduced to sea-level.	Variation from mean.	prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean S. & N. W.	
ORISSA.	Pooree	Pooree	30.067	30.080	—	N	113	83.7	15, 17 Nov.	63.6	18th Nov.	82.6	66.2	74.4	—	68.9	
		Gopalpore	30.071	30.093	+1.03	NNW	178	84.2	15th "	61.9	19th "	81.5	63.9	72.7	-1.8	72.2	
		False Point	30.059	30.081	+0.60	NNW	110	83.4	15th "	58.0	18th "	81.4	60.3	70.9	+2.0	69.2	
	Cuttack	Cuttack	30.014	30.099	+0.79	Calm	16	86.4	15th "	59.8	18, 19 "	84.4	61.8	73.1	-1.4	67.3	
	Balasore	Balasore	30.039	30.100	+0.70	NNW	9	84.4	15th "	56.5	17, 18 "	82.5	58.7	70.6	-0.6	66.7	
SOUTH-WEST BENGAL.	South-West Midnapore	Saugor Island	30.055	30.082	+0.64	NNE	171	81.2	16th "	62.4	16, 17 "	79.7	64.3	72.0	+0.3	68.3	
		South 24-Pergunnahs	Midnapore	29.934	30.091	+0.52	N	86	86.3	15th "	56.2	16, 17 "	83.7	58.5	71.2	0	67.1
	14-Pergunnahs	Calcutta	30.064	30.086	+0.62	Calm	21	81.0	15th "	57.3	16th "	79.8	59.9	69.9	-2.3	67.3	
			Howrah	29.992	30.097	+0.58	Calm	23	84.0	15th "	57.6	16th "	82.2	61.3	71.8	-0.6	64.6
	Hooghly	29.762	30.082	+0.50	W	42	85.1	15th "	55.8	16, 17 "	82.6	57.7	70.2	-2.4	65.9		
	Burdwan	Burdwan	29.767	30.119	+0.75	NW	38	83.3	16th "	55.2	16th "	81.6	57.6	69.6	-1.0	63.9	
	Bankoora	Bankoora	30.016	30.086	+0.53	North-Western NNW	29	82.1	15th "	59.7	15th "	80.7	62.3	71.5	-0.4	67.4	
	Moorshedabad	Berhampore	30.027	30.077	+0.56		51	84.8	15th "	54.1	16th "	83.1	58.0	70.6	-1.7	69.3	
	Nudda	Krishnagur	30.040	30.075	+0.59	Calm	7	83.7	15th "	60.0	16th "	82.4	62.1	72.3	-2.2	69.1	
	Jessore	Jessore	29.972	30.065	+0.67	W	38	84.7	19th "	62.8	15th "	82.5	?	?	?	69.2	
EAST BENGAL.	Chittagong	Chittagong	30.043	30.056	+0.77	Calm	27	82.3	16th Nov.	61.6	18th "	81.2	63.2	72.2	-0.1	71.8	
	Chittagong Hill Tracts	Demagiri	30.026	30.071	+0.87	N	53	83.0	15, 20, 21 Nov.	61.0	16, 17, 19 & 20 Nov.	82.5	61.6	72.1	-0.9	71.3	
	Backergunge	Barrisal	30.039	30.080	+0.81	Calm	15	80.5	16th "	62.0	16, 21 "	79.8	62.8	71.3	-0.8	70.1	
	Noakholly	Noakholly	30.031	30.054	+0.52	E	61	84.1	15, 19, 20 Nov.	61.8	21st "	83.5	63.6	73.6	+0.3	70.4	
	Furzedpore	Furzedpore	30.025	30.062	+0.69	Variable	12	84.4	19th "	59.7	20th "	83.1	61.2	72.2	-0.4	69.8	
	Dacca	Dacca	30.012	30.072	+0.72	Easterly	31	81.6	15th "	59.8	21st "	80.9	62.0	71.5	-1.4	69.1	
	Mymensingh	Mymensingh	29.986	30.051	+0.72	N	20	82.1	15th "	60.1	21st "	80.6	61.1	70.9	-0.6	68.7	
	Bogra	Bogra	30.018	30.066	+0.55	N & NE	16	82.1	15th "	59.8	16th "	81.2	60.8	71.0	0	68.9	
	Pabna	Serajgunge	30.004	30.077	+0.68	NNE	49	81.0	15th "	55.9	16th "	80.2	62.3	71.3	+2.2	69.1	
	Rajshahye	Rampore Beah. lenh.	30.008	30.092	—	NW	81	83.7	15th "	56.5	16th "	82.2	60.1	71.2	—	68.6	
NORTH BENGAL.	Waldah	Maldah	29.936	30.062	+0.66	Variable	?	82.1	15, 17 "	59.2	15, 16 "	81.5	60.9	71.2	+0.9	64.5	
	Dinapore	Dinapore	?	?	?	NE	?	81.9	19th "	60.3	15th "	81.3	61.2	71.3	+1.4	69.1	
	Rungpore	Rungpore	29.970	30.090	+0.61	?	?	81.6	19th "	60.1	18, 20, 21 Nov.	80.6	60.7	70.7	+1.0	67.9	
	Julpigoree	Julpigoree	23.076	—	+0.16	North-Easterly	82	54.8	19th "	37.9	21st "	53.3	41.0	47.3	-0.5	47.9	
	Cooch Behar		29.960	30.093	+0.56	Westerly & Calm	32	81.0	20th "	56.9	16th "	79.9	58.3	69.1	-0.4	64.7	
	Darjeeling Hill Tracts	Darjeeling	29.894†	30.085†	—	Calm	39†	81.3†	15th "	59.3†	17th "	80.1†	60.1	70.9*	—	61.9†	
	Purneah	Purneah	29.934†	30.110†	+0.54†	WSW	23	81.9	15th "	56.0	15th "	80.8	57.7	69.3	-1.3	65.3	
	Mozufferpore	Mozufferpore	29.868	30.106	+0.72	Variable	47	81.2	15 & 16 "	51.9	16th "	80.5	54.6	67.6	-0.3	65.8	
	Durbhunga	Durbhunga	29.883	30.087	+0.51	Calm	18	82.3	15th "	57.4	17th "	80.3	59.3	69.8	+0.7	62.1	
	Chumparun	Motihari	29.734	30.110	+0.44	SW	45	83.3	15th "	51.5	17th "	81.7	53.6	67.7	-1.2	62.4	
SOUTH BENGAL.	Shahabad	Dehree	?	?	?	Variable	54	82.4	15, 16 "	52.4	16th "	80.3	55.3	67.9	-1.4	65.2	
		Buxar	29.889	30.090	+0.50	Variable	8	83.1	15th "	61.1	17, 18 "	81.4	52.3	66.8	-1.7	62.3	
	Arrah																
	Gya	Gya	29.714	30.117	+0.51	S	109	83.9	15th "	52.2	18th "	81.8	53.7	67.8	-2.3	69.5	
	Patna	Bankipore	29.914	30.107	+0.39	Westerly & Calm	34	81.8	15th "	52.8	18th "	79.9	55.9	67.9	-1.8	65.5	
	South Bhagulpore	Bhagulpore	29.916	30.086	+0.52	Calm	3	80.8	15th "	54.5	16th "	79.9	56.9	68.4	-0.5	66.9	
	Monghyr																
	Sonthal Pergunnah	Doomaa	29.574	30.099	+0.61	Calm	32	82.1	15th "	52.8	16th "	80.5	56.6	68.6	-0.6	64.3	
	Hazaribagh	Hazaribagh	28.031	30.120	+0.68	Westerly & Calm	113	79.3	21st "	52.0	17th "	78.1	54.0	66.1	-0.6	62.2	
	Lohardugga	Ranchee	27.905	30.104	+0.43	Calm	76	79.3	15th "	49.5	17th "	77.7	51.2	64.5	-0.5	64.1	
Manbhoom																	
Singbhoom	Chyebassa	29.315	30.115	+0.80	WSW	21	86.4	15th "	51.5	18th "	83.4	55.0	69.2	-0.7	65.1		

* Mean of five days. † Mean of six days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last years. The humidity of the atmosphere is expressed as percentage, saturated air being presented by 100. A clear sky is denoted by c and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past seasons in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

the week ending Friday, the 21st of November 1890.

DISTRICT OBSERVATIONS.															METEOROLOGICAL DIVISION.		
Date.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	OF WEEK.		RAINFALL.											Representative station.	DISTRICT.
			Mean for district.	Normal mean.	Since 1st of month.			Since 15th May 1890.			Average number of rainy days.	Normal number of rainy days.					
					Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.							
63	0	Nil	Nil	0.44	1.82	2.01	-0.19	65.77	54.34	+11.43	0.0	0.3	Poorce	Poorce ...	ORISSA.		
73	0	Nil	Nil	0.44	1.82	2.01	-0.19	65.77	54.34	+11.43	0.0	0.3	Gopalpore	Gopalpore ...			
83	0.1	Nil	Nil	0.44	1.82	2.01	-0.19	65.77	54.34	+11.43	0.0	0.3	False Point	False Point ...			
74	0	Nil	Nil	0.35	1.97	0.94	+1.03	63.64	59.74	+12.90	0.0	0.3	Cuttack	Cuttack ...	ORISSA.		
84	0	Nil	Nil	0.35	1.97	0.94	+1.03	63.64	59.74	+12.90	0.0	0.3	Cuttack	Cuttack ...			
94	0	Nil	Nil	0.35	1.97	0.94	+1.03	63.64	59.74	+12.90	0.0	0.3	Cuttack	Cuttack ...			
81	0	Nil	Nil	0.71	0.87	0.76	+0.11	61.26	52.59	+8.76	0.0	0.2	Balasore	Balasore ...	ORISSA.		
91	0	Nil	Nil	0.71	0.87	0.76	+0.11	61.26	52.59	+8.76	0.0	0.2	Balasore	Balasore ...			
01	0.3	Nil	Nil	0.01	0.64	0.57	+0.07	66.29	61.57	+4.72	0.0	0.1	Saukor Island	Saukor Island ...			
87	0	Nil	Nil	Nil	Nil	0.17	-0.17	50.00	59.78	-0.78	0.0	0.0	Midnapore	Midnapore ...	ORISSA.		
97	0	Nil	Nil	Nil	Nil	0.17	-0.17	50.00	59.78	-0.78	0.0	0.0	Midnapore	Midnapore ...			
07	0	Nil	Nil	Nil	0.07	0.27	-0.20	55.16	59.83	+4.67	0.0	0.0	Calcutta	Calcutta ...			
85	0	Nil	Nil	Nil	0.25	0.30	-0.05	61.41	46.12	+15.29	0.0	0.0	Bardwan	Bardwan ...	SOUTH-WEST BENGAL.		
95	0.3	Nil	Nil	0.15	0.01	0.42	-0.41	52.02	51.89	+0.13	0.0	0.1	Bankoora	Bankoora ...			
05	0.6	Nil	Nil	Nil	0.35	0.14	+0.21	63.93	51.59	+12.34	0.0	0.0	Raneegunge	Raneegunge ...			
75	1.9	Nil	Nil	Nil	0.33	0.22	+0.11	69.55	49.83	+19.72	0.0	0.0	Bachampore	Bachampore ...	SOUTH-WEST BENGAL.		
85	1.4	Nil	Nil	Nil	0.04	0.30	-0.26	55.03	48.60	+6.43	0.0	0.0	Krishnaghar	Krishnaghar ...			
95	0.6	Nil	Nil	Nil	0.06	0.30	-0.24	53.53	52.52	+1.01	0.0	0.0	Jessore	Jessore ...			
00	1.1	Nil	Nil	0.06	1.37	1.55	-0.18	119.03	111.95	+7.11	0.0	0.1	Chittagong	Chittagong ...	SOUTH-WEST BENGAL.		
10	0	Nil	Nil	0.09	0.42	1.00	-1.18	73.32	79.37	-6.05	0.0	0.1	Demagiri	Demagiri ...			
20	0	Nil	Nil	0.09	Nil	1.21	-1.21	68.16	75.56	-7.40	0.0	0.1	Barrisal	Barrisal ...			
30	0	Nil	Nil	0.05	Nil	2.00	-2.00	97.88	105.16	-7.28	0.0	0.1	Noakholly	Noakholly ...	SOUTH-WEST BENGAL.		
40	0	Nil	Nil	Nil	Nil	0.40	-0.40	45.42	54.74	-9.32	0.0	0.0	Furzedpore	Furzedpore ...			
50	0.1	Nil	Nil	0.13	Nil	0.63	-0.63	58.19	52.70	-5.49	0.0	0.1	Dacca	Dacca ...			
60	0.7	Nil	Nil	0.02	Nil	0.58	-0.58	60.11	67.53	-7.42	0.0	0.1	Commillah	Commillah ...	SOUTH-WEST BENGAL.		
70	1.1	Nil	Nil	0.07	0.17	0.25	-0.11	75.85	68.33	+7.52	0.0	0.1	Mymensingh	Mymensingh ...			
80	0	Nil	Nil	Nil	0.41	0.31	+0.10	78.99	56.87	+22.12	0.0	0.0	Bogra	Bogra ...			
90	0.1	Nil	Nil	Nil	0.57	0.25	+0.32	54.95	52.78	+2.17	0.0	0.0	Serajgunge	Serajgunge ...	SOUTH-WEST BENGAL.		
01	0.3	Nil	Nil	0.05	0.03	0.19	+0.74	75.86	52.81	+23.05	0.0	0.1	Rampore Beaulah	Rajshahye ...			
11	0	Nil	Nil	Nil	0.02	0.18	-0.16	62.14	53.58	+8.56	0.0	0.0	Maldah	Maldah ...			
21	0	Nil	Nil	0.01	Nil	0.07	-0.07	8.74	56.22	+47.48	0.0	0.1	Dinagopore	Dinagopore ...	SOUTH-WEST BENGAL.		
31	0.3	Nil	Nil	Nil	Nil	0.08	-0.08	106.61	73.17	+33.44	0.0	0.0	Rangpore	Rangpore ...			
41	0	Nil	Nil	0.02	Nil	0.04	-0.04	154.51	103.57	+50.94	0.0	0.1	Julpigoree	Julpigoree ...			
51	5.4	Nil	0.03	0.13	0.05	0.27	-0.22	165.63	119.84	+45.79	0.3	0.1	Darjeeling	Darjeeling Hill Tracts	SOUTH-WEST BENGAL.		
61	0.4	Nil	Nil	Nil	Nil	0.03	-0.03	80.67	58.02	+22.65	0.0	0.0	Parneah	Parneah ...			
71	0	Nil	Nil	0.02	Nil	0.06	-0.06	52.57	42.73	+9.84	0.0	0.1	Mozufferpore	Mozufferpore ...			
81	0	Nil	Nil	0.01	Nil	0.03	-0.03	57.63	43.63	+14.00	0.0	0.1	Darbhanga	Darbhanga ...	SOUTH-WEST BENGAL.		
91	0	Nil	Nil	0.01	Nil	0.01	-0.01	68.47	45.99	+22.48	0.0	0.1	Motihari	Chumparan ...			
02	0	Nil	Nil	0.03	Nil	0.09	-0.09	53.69	41.76	+11.93	0.0	0.0	Onnpore	Saran ...			
12	0	Nil	Nil	Nil	Nil	0.15	-0.15	49.59	30.21	+19.38	0.0	0.1	Dehree	Dehree ...	SOUTH-WEST BENGAL.		
22	0.3	Nil	Nil	0.05	Nil	0.15	-0.15	49.59	30.21	+19.38	0.0	0.1	Buxar	Shahabad ...			
32	1.0	Nil	Nil	Nil	Nil	0.14	-0.14	56.93	40.71	+16.22	0.0	0.0	Gya	Gya ...			
42	0	Nil	Nil	0.01	Nil	0.11	-0.11	48.10	40.52	+7.58	0.0	0.1	Bankipore	Patna ...	SOUTH-WEST BENGAL.		
52	0	Nil	Nil	Nil	Nil	0.12	-0.12	52.25	42.46	+9.79	0.0	0.0	Bhagulpore	South Bhagulpore ...			
62	0	Nil	Nil	0.38	0.13	0.25	-0.24	49.46	49.09	+0.37	0.0	0.0	Doonka	Monghyf ...			
72	0	Nil	Nil	0.05	0.01	0.25	-0.24	49.46	49.09	+0.37	0.0	0.1	Hazaribagh	Sonthal Pergunnahs...	CHUTIA NAGPUR.		
82	0	Nil	Nil	0.05	0.01	0.27	-0.27	47.01	47.22	-0.21	0.0	0.1	Raon	Hazaribagh ...			
92	0	Nil	Nil	0.02	0.10	0.17	-0.07	41.53	46.21	-4.68	0.0	0.1	Raon	Lohardugga ...			
03	0	Nil	Nil	Nil	Nil	0.23	-0.23	33.94	50.47	-16.53	0.0	0.0	Jnyebassa	Mautnoom ...	CHUTIA NAGPUR.		
13	0	Nil	Nil	Nil	Nil	0.23	-0.23	33.94	50.47	-16.53	0.0	0.0	Jnyebassa	Singbhoom ...			

years. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.
 The mean of the district is the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the subdivisional stations.

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 21st of November 1890

Meteorological division.	District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1890.	Average rain-fall from May date.
			Saturday, 15th November.	Sunday, 16th November.	Monday, 17th November.	Tuesday, 18th November.	Wednesday, 19th November.	Thursday, 20th November.	Friday, 21st November.	Number of rainy days.	Rainfall week.				
SOUTH-WEST BENGAL	Orissa	Pooree	...	...	...	...	...	...	...	NH	NH	2.28	1.78	60.97	...
		Khurdah	...	...	...	...	...	...	...	NH	NH	0.23	1.27	65.16	...
		Banpur	...	...	...	...	...	...	...	NH	NH	1.10	2.85	61.85	...
		False Point	...	...	...	...	...	...	...	NH	NH	3.60	2.11	66.10	...
		Gop	...	...	...	...	...	...	...	NH	NH	2.02	?	65.95	...
		Satpara	...	...	...	...	...	...	...	NH	NH	4.94	?	45.97	...
		Pipili	...	...	...	...	...	...	...	NH	NH	0.29	?	75.90	...
		Cuttack	...	...	...	...	...	...	...	NH	NH	1.00	0.90	63.67	...
		Banki	...	...	...	...	...	...	...	NH	NH	6.25	1.62	66.00	...
		Cuttack	...	...	...	...	...	...	...	NH	NH	1.94	0.87	82.14	...
		Kendrapara	...	...	...	...	...	...	...	NH	NH	0.59	0.77	63.15	...
		Jajpore	...	...	...	...	...	...	...	NH	NH	0.45	0.55	53.15	...
		Dharmasala	...	...	...	...	...	...	...	NH	NH	0.10	?	55.18	...
		Salipore	...	...	...	...	...	...	...	NH	NH	0.70	?	52.15	...
		Balasore	...	...	...	...	...	...	...	NH	NH	0.41	1.30	52.06	...
		Chandbali	...	...	...	...	...	...	...	NH	NH	0.08	0.83	57.85	...
		Bhuddruk	...	...	...	...	...	...	...	NH	NH	0.10	0.61	60.84	...
		Sorah	...	...	...	...	...	...	...	NH	NH	2.25	0.74	64.13	...
		Balasore	...	...	...	...	...	...	...	NH	NH	1.21	0.25	65.83	...
		Jellapore	...	...	...	...	...	...	...	NH	NH	0.61	0.84	63.91	...
		Haripodah	...	...	...	...	...	...	...	NH	NH	?	?	?	...
	Midnapore	Contai	...	...	...	...	...	...	...	NH	NH	0.45	0.60	67.73	...
		Saugor Island	...	...	...	...	...	...	...	NH	NH	1.44	0.80	69.05	...
		Tumlook	...	...	...	...	...	...	...	NH	NH	0.27	0.79	57.90	...
		Midnapore	...	...	...	...	...	...	...	NH	NH	0.21	0.21	47.47	...
		Ghattal	...	...	...	...	...	...	...	NH	NH	0.06	0.06	44.61	...
		Kukrahaty	...	...	...	...	...	...	...	NH	NH	?	?	50.29	...
		Garbetta	...	...	...	...	...	...	...	NH	NH	?	?	46.23	...
	24-Pargunnas	Diamond Har-bour	...	...	...	...	...	...	...	NH	NH	0.94	0.30	62.13	...
		Canning Town	...	...	...	...	...	...	...	NH	NH	?	?	66.69	...
		Alipore Jail	...	...	...	...	...	...	...	NH	NH	0.05	0.27	61.96	...
		Barrackpore	...	...	...	...	...	...	...	NH	NH	0.44	0.31	50.91	...
		Dum-Dum	...	...	...	...	...	...	...	NH	NH	0.59	0.19	56.34	...
		Baraset	...	...	...	...	...	...	...	NH	NH	1.1	0.26	54.34	...
	Howrah	Buseerhat	...	...	...	...	...	...	...	NH	NH	0.30	0.30	58.67	...
		Howrah	...	...	...	...	...	...	...	NH	NH	?	?	51.34	...
	Hooghly	Mohesreka (Ooloberiah)	...	...	...	...	...	...	...	NH	NH	0.27	0.32	59.67	...
		Serampore	...	...	...	...	...	...	...	NH	NH	0.03	0.17	54.30	...
	Hurdwan	Hooghly	...	...	...	...	...	...	...	NH	NH	?	?	52.05	...
		Jehanabad	...	...	...	...	...	...	...	NH	NH	0.21	0.21	51.67	...
	Bankura	Culina	...	...	...	...	...	...	...	NH	NH	0.20	0.34	54.31	...
		Burdwan	...	...	...	...	...	...	...	NH	NH	0.50	0.28	65.53	...
		Cutwa	...	...	...	...	...	...	...	NH	NH	?	0.28	64.36	...
		Ranagunge	...	...	...	...	...	...	...	NH	NH	0.10	0.13	60.64	...
	Bankura	Mankur	...	...	...	...	...	...	...	NH	NH	0.41	?	48.21	...
		Bankura	...	...	...	...	...	...	...	NH	NH	?	0.17	57.76	...
		Bishenpore	...	...	...	...	...	...	...	NH	NH	?	0.32	59.05	...
		Maliara	...	...	...	...	...	...	...	NH	NH	0.05	0.36	59.28	...
		Khatra	...	...	...	...	...	...	...	NH	NH	?	0.86	40.06	...
		Indas	...	...	...	...	...	...	...	NH	NH	?	0.86	59.07	...
		Kotalpore	...	...	...	...	...	...	...	NH	NH	?	?	63.94	...
		Anda	...	...	...	...	...	...	...	NH	NH	?	?	55.11	...
	Kharbhum	Gangajalghati	...	...	...	...	...	...	...	NH	NH	?	?	63.75	...
		Kaipore	...	...	...	...	...	...	...	NH	NH	?	?	53.29	...
		Sonamukhi	...	...	...	...	...	...	...	NH	NH	?	?	42.74	...
		Bh. Seery	...	...	...	...	...	...	...	NH	NH	0.33	0.11	62.28	...
	Nuddea	Hetampore	...	...	...	...	...	...	...	NH	NH	0.70	0.13	69.31	...
		Rampore Haul	...	...	...	...	...	...	...	NH	NH	0.20	0.16	72.56	...
		Bolpore	...	...	...	...	...	...	...	NH	NH	1.19	?	57.42	...
		Murari	...	...	...	...	...	...	...	NH	NH	?	?	60.46	...
	Khaolna	Ranaghat	...	...	...	...	...	...	...	NH	NH	?	0.38	55.46	...
		Kishnaghat	...	...	...	...	...	...	...	NH	NH	0.20	0.33	61.06	...
		Chocadanga	...	...	...	...	...	...	...	NH	NH	?	0.48	47.68	...
		Meherpore	...	...	...	...	...	...	...	NH	NH	?	0.13	58.86	...
	Jessore	Kooshtea	...	...	...	...	...	...	...	NH	NH	?	0.22	62.09	...
		Satkhira	...	...	...	...	...	...	...	NH	NH	0.48	0.33	57.61	...
		Bagirhat	...	...	...	...	...	...	...	NH	NH	?	0.47	62.51	...
		Khaolna	...	...	...	...	...	...	...	NH	NH	?	0.38	58.88	...
	Moorshedabad	Nakipur	...	...	...	...	...	...	...	NH	NH	0.99	?	70.62	...
		Rampal	...	...	...	...	...	...	...	NH	NH	?	?	69.78	...
		Narail	...	...	...	...	...	...	...	NH	NH	?	0.37	51.45	...
		Jessore	...	...	...	...	...	...	...	NH	NH	?	0.24	59.40	...
	Chittagong	Jhenidah	...	...	...	...	...	...	...	NH	NH	?	0.25	54.16	...
		Magoorah	...	...	...	...	...	...	...	NH	NH	?	0.18	43.44	...
		Bongong	...	...	...	...	...	...	...	NH	NH	?	0.20	40.66	...
		Kandi	...	...	...	...	...	...	...	NH	NH	0.80	0.32	64.89	...
	Chittagong Hill Tracts	Berhampore	...	...	...	...	...	...	...	NH	NH	0.05	0.24	59.27	...
		Lalbagh	...	...	...	...	...	...	...	NH	NH	?	0.31	63.67	...
		Azimungo	...	...	...	...	...	...	...	NH	NH	?	0.19	58.27	...
		Jungipore	...	...	...	...	...	...	...	NH	NH	0.50	0.08	51.83	...
	Hackerungo	Lalgola	...	...	...	...	...	...	...	NH	NH	0.65	0.20	65.35	...
		Jagunge	...	...	...	...	...	...	...	NH	NH	?	?	?	...
		Akhriung	...	...	...	...	...	...	...	NH	NH	?	?	61.90	...
		Patkabari	...	...	...	...	...	...	...	NH	NH	?	?	?	...
EAST BENGAL	Chittagong	Cox's Bazar	...	...	...	...	...	...	...	NH	NH	1.37	1.98	129.42	151.39
		Chittagong	...	...	...	...	...	...	...	NH	NH	1.37	1.11	108.69	92.74
		Kutubdia	...	...	...	...	...	...	...	NH	NH	2.25	?	113.85	?
		Satkanya	...	...	...	...	...	...	...	NH	NH	0.15	?	81.41	?
	Chittagong Hill Tracts	Rangmati	...	...	...	...	...	...	...	NH	NH	0.03	1.52	69.02	82.75
		Ruma	...	...	...	...	...	...	...	NH	NH	0.80	1.66	77.71	70.40
	Hackerungo	Patunghally	...	...	...	...	...	...	...	NH	NH	?	1.36	79.01	60.00
		Perozepore	...	...	...	...	...	...	...	NH	NH	?	1.02	65.91	68.75
		Burrisal	...	...	...	...	...	...	...	NH	NH	?	1.04	65.76	64.00
		Bhola	...	...	...	...	...	...	...	NH	NH	?	1.43	64.99	50.00

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 21st of November 1890—contd.

Meteorological Division.	District.	Station.	RAINFALL							TOTAL		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1890.	Average rainfall from 15th May to date.
			Saturday, 16th November.	Sunday, 16th November.	Monday, 17th November.	Tuesday, 18th November.	Wednesday, 19th November.	Thursday, 20th November.	Friday, 21st November.	Number of rainy days.	Rainfall of week.				
EAST BENGAL— contd.	Noakholly	Gournaddi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	42.00	?
		Bauphal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	73.26	?
		Noakholly	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.53	92.34	103.26
		Fenny	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.46	103.40	103.93
		Harishpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.90	?	103.51	?
		Ramganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	65.28	?
	Furzedpore	Madaripore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.29	41.91	51.20
		Furzedpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.28	49.45	57.15
		Gaulundo	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.29	44.90	52.35
	Dacca	Munshikunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.61	57.78	69.01
		Dacca	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.44	54.58	57.02
		Narainkunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.12	60.71	61.08
		Manickkunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.35	59.71	49.34
		Joydehpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	66.26	?
	Hill Tipperah— Tipperah	Agartala	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.69	67.24	60.43
		Comilla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.71	74.63	74.63
		Chandpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.49	56.78	74.21
		Brahmunberia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.45	54.64	60.83
		Ramchandrapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	76.11	?
		Nasirnagar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	34.81	?
		Daudkandi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	80.44	?
		Kasba	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	51.71	?
		Laksham	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	68.55	?
	Mymensingh	Kishorekunda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.37	68.87	69.13
		Atia (Tangai)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.21	56.62	54.83
		Mymensingh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.05	78.05	73.36
		Jamulpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.22	79.16	64.47
		Netrakona	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.34	96.54	80.39
		Subornakhali	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.42	58.25	?
		Durgapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	118.07	?
		Sherepore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	67.41	?
		Sherepore Town	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	72.00	?
		Dewanganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
Pubna	Pubna	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.14	46.08	53.34	
	Sorajunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.35	63.81	52.16	
	Sherepore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.59	77.86	57.75	
	Nowkhilla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.37	60.79	53.72	
Bogra	Bogra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.08	70.22	60.38	
	Panchbibi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.01	91.46	55.27	
	Beaulah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.95	72.20	52.46	
	Nattore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.55	88.84	54.19	
Rajshahye	Naogaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.30	66.15	51.99	
	Lalpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	52.38	?	
	Mando	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	48.04	?	
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
Maldah	Maldah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.03	64.65	50.98	
	Chanchal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.19	59.62	56.11	
	Gajol	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	84.40	?	
Dinagopore	Sitganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.12	62.66	?	
	Mohadehpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.08	67.94	55.94	
	Churamon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.01	80.28	52.02	
Rungpore	Raigunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.06	92.75	57.54	
	Dinagopore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.66	86.80	63.59	
	Raiborhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.12	81.01	52.02	
Rajshahye	Thakooragan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	107.04	?	
	Banwaniguan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.06	123.00	61.04	
	(Gyabanda)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.00	96.56	74.06	
Rajshahye	Rungpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.16	96.69	72.66	
	Kariganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
	Bardonia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.02	111.28	83.87	
Jalpigore	Ulupore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	97.62	?	
	Jalpigore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.08	156.26	116.71	
	Alipore Deo	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	187.47	?	
Cooch Behar	Pallacotta	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	146.50	?	
	Debiganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	116.70	?	
	Bhagatpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	182.64	?	
Darjeeling Hill.	(Nagarkatta)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.04	128.95	94.46	
	Dinhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.05	169.37	117.06	
	Cooch Behar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.01	146.35	104.80	
North Bhagulpore	Mickilgunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.63	171.61	111.80	
	Watabhanga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.43	210.86	191.15	
	Buxa	0.13	Nil	Nil	Nil	Nil	Nil	Nil	1	0.13	0.22	?	178.31	162.31	
Darjeeling Hill.	Siliguri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.12	150.6	107.25	
	Darjeeling	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.04	123.00	77.17	
	Kalimpong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	192.78	?	
Kurseong	Kurseong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
NORTH BENGAL.	Purneah	Kissengunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.02	105.38	69.61
		Arraeh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.03	83.78	63.14
		Purneah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.06	89.36	60.97
	North Bhagulpore	Gondwara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Balarampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	109.45	?
		Hazari	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	63.98	?
	North Bhagulpore	Kailaganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	118.55	?
		Madhapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.04	61.61	49.00
		Sooool	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.01	64.21	47.59
	Dorbhunga	Protabganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	49.30	?
Nil		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
Nil		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
Dorbhunga	Tajpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.04	51.70	42.37	
	Darbhangga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.03	58.56	45.11	
	Madhubani	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.02	63.61	44.22	
Mozufferpore	Bahera	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	52.58	?	
	Roshara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50.42	?	
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	
Mozufferpore	Shamari	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.01	52.99	42.88	
	Mozufferpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.07	56.13	44.67	
	Haripore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.08	48.60	41.28	
	Para	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	70.81	?	
	Mahua	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	44.79	?	
	Muhar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	53.18	?	
Mozufferpore	Papri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50.19	?	

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 21st of November 1890—concl

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1890.	Average rainfall from 1st May to date.
			Saturday, 15th November.	Sunday, 16th November.	Monday, 17th November.	Tuesday, 18th November.	Wednesday, 19th November.	Thursday, 20th November.	Friday, 21st November.	Number of rainy days.	Rainfall of week.				
NORTH BEHAR—concluded.	Champaran...	Motihari	...	...	...	...	...	...	...	Nil	Nil	Nil	0.01	72.06	44.9
		Bettiah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.01	64.89	47.3
		Bagaha	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Burhura	...	...	...	...	...	...	...	Nil	Nil	Nil	?	58.36	?
SOUTH BEHAR	Sarun	Gopalgunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0.11	52.07	42.4
		Sewan	...	...	...	...	...	...	...	Nil	Nil	Nil	0.08	59.84	45.9
	Shahabad	Chuprah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.06	48.27	36.72
		Buxar	...	...	...	...	...	...	...	Nil	Nil	Nil	0.10	52.47	41.51
		Behree	...	...	...	...	...	...	...	Nil	Nil	Nil	0.05	43.14	39.13
		Bhaboonah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.39	41.11	40.23
		Sasseram	...	...	...	...	...	...	...	Nil	Nil	Nil	0.12	44.19	39.59
		Arrah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.08	66.90	39.29
		Mohanah	...	...	...	...	...	...	...	Nil	Nil	Nil	?	36.07	?
	Gya	Aurangabad	...	...	...	...	...	...	...	Nil	Nil	Nil	0.12	19.40	41.51
		Gya	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	60.64	41.79
		Nowadah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.09	54.84	39.06
		Jehanabad	...	...	...	...	...	...	...	Nil	Nil	Nil	0.14	53.85	40.06
		Arwal	...	...	...	...	...	...	...	Nil	Nil	Nil	?	53.43	?
		Daudnagar	...	...	...	...	...	...	...	Nil	Nil	Nil	?	29.85	?
		Sherrghati	...	...	...	...	...	...	...	Nil	Nil	Nil	?	36.81	?
		Rajauli	...	...	...	...	...	...	...	Nil	Nil	Nil	?	45.00	?
		Pakri Barawan	...	...	...	...	...	...	...	Nil	Nil	Nil	?	54.24	?
	Patna	Patna	...	...	...	...	...	...	...	Nil	Nil	Nil	0.07	50.02	41.77
		Dinapore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.06	52.13	40.79
		Behar	...	...	...	...	...	...	...	Nil	Nil	Nil	0.13	46.93	41.17
		Barrh	...	...	...	...	...	...	...	Nil	Nil	Nil	0.16	43.25	39.12
		Bickram Hills	...	...	...	...	...	...	...	Nil	Nil	Nil	?	58.33	?
	Monghyr	Begooesrai	...	...	...	...	...	...	...	Nil	Nil	Nil	0.21	44.29	39.44
		Monghyr	...	...	...	...	...	...	...	Nil	Nil	Nil	0.07	54.84	45.90
		Jamui	...	...	...	...	...	...	...	Nil	Nil	Nil	0.03	60.22	42.77
		Gogri	...	...	...	...	...	...	...	Nil	Nil	Nil	?	76.44	?
	South Bhagulpore.	Sheikpura	...	...	...	...	...	...	...	Nil	Nil	Nil	?	47.76	?
		Bhagulpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.21	59.77	41.56
		Baika	...	...	...	...	...	...	...	Nil	Nil	Nil	0.07	42.11	43.11
		Kelgaing	...	...	...	...	...	...	...	Nil	Nil	Nil	?	62.06	?
	Sonthal Pergunnahs.	Bongao	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Rajmehal	...	...	...	...	...	...	...	Nil	Nil	Nil	0.11	56.88	51.79
		Godda	...	...	...	...	...	...	...	Nil	Nil	Nil	0.05	50.75	43.62
		Pakour	...	...	...	...	...	...	...	Nil	Nil	Nil	0.05	74.16	54.89
		Nya Doomka	...	...	...	...	...	...	...	Nil	Nil	Nil	0.11	74.11	54.22
		Deoghur	...	...	...	...	...	...	...	Nil	Nil	Nil	0.09	49.43	49.43
		Jamtara	...	...	...	...	...	...	...	Nil	Nil	Nil	2.15	76.43	47.06
CHUTTA NAGPUR.	Hazariabagh	Mohasama	...	...	...	...	...	...	...	Nil	Nil	Nil	?	48.81	?
		Namthar	...	...	...	...	...	...	...	Nil	Nil	Nil	1.30	32.28	?
		Pachamba (Girdi)	...	...	...	...	...	...	...	Nil	Nil	Nil	0.16	55.35	46.73
		Hazariabagh	...	...	...	...	...	...	...	Nil	Nil	0.02	0.19	49.97	49.94
		Semtagurah	...	...	...	...	...	...	...	Nil	Nil	0.05	0.23	38.89	45.19
		Mahudi Hills	...	...	...	...	...	...	...	Nil	Nil	Nil	0.33	43.02	48.91
		Jhoomra Hills	...	...	...	...	...	...	...	Nil	Nil	Nil	0.34	56.80	50.46
		Barki	...	...	...	...	...	...	...	Nil	Nil	Nil	?	50.24	?
		Chatra	...	...	...	...	...	...	...	Nil	Nil	Nil	?	47.08	?
		Karagdeha	...	...	...	...	...	...	...	Nil	Nil	Nil	?	57.34	?
	Lohardugga	Kamphar	...	...	...	...	...	...	...	Nil	Nil	Nil	?	50.24	?
		Lohardugga	...	...	...	...	...	...	...	Nil	Nil	Nil	0.15	53.19	49.91
		Ranchi	...	...	...	...	...	...	...	Nil	Nil	Nil	0.33	43.57	51.11
		Palamow	...	...	...	...	...	...	...	Nil	Nil	Nil	0.33	44.27	42.14
		Silli	...	...	...	...	...	...	...	Nil	Nil	Nil	0.35	43.85	?
	Singbhoom	Raiumat	...	...	...	...	...	...	...	Nil	Nil	Nil	?	43.02	?
		Hosseinabad	...	...	...	...	...	...	...	Nil	Nil	Nil	?	41.75	?
		Garwah	...	...	...	...	...	...	...	Nil	Nil	Nil	?	38.30	?
		Chrebasia	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	33.04	50.42
		Chakradhar-pore.	...	...	...	...	...	...	...	Nil	Nil	Nil	?	24.82	?
	Manbhoom	Ghatilla	...	...	...	...	...	...	...	Nil	Nil	Nil	?	51.46	?
		Bokaragura	...	...	...	...	...	...	...	Nil	Nil	Nil	?	50.38	?
		Purulia	...	...	...	...	...	...	...	Nil	Nil	Nil	0.18	44.22	48.27
		Gobindpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.15	38.84	44.23
		Kaghunath-pore.	...	...	...	...	...	...	...	Nil	Nil	0.49	?	62.26	?
	Barrabhoom	Jhalda	...	...	...	...	...	...	...	Nil	Nil	Nil	?	44.15	?
		Chag	...	...	...	...	...	...	...	Nil	Nil	Nil	?	64.71	?
			...	...	...	...	...	...	...	Nil	Nil	Nil	?	50.18	?
			...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?

Explanation.—.....indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 25th November 1890.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 21ST
OF NOVEMBER 1890.**

FINE weather has continued throughout the week, both in Bengal and over the Bay, with high pressure, and temperature generally below the normal. At the commencement of the week the pressure distribution was about normal with slight gradients from west to east, the usual faint wind circulation and cloudless skies. Though a steady rise of pressure went on from the 15th till the 18th, the general conditions underwent no change, except that the defect in temperature began to disappear in the eastern districts. On the 19th pressure fell very slowly in Behar, while the rise continued elsewhere, and from being westerly, wind directions became first irregular, and afterwards east over the whole of the northern half of the province. With this change temperature rose slowly on the 19th in all districts, and on the 20th at all except the stations in East Bengal and part of North Bengal, where excess was almost general, and ranged up to 3.7° at Rampore Beaulah. North-easterly winds were still blowing on Friday, the last day of the week, in North Bengal, North Behar, and parts of South-West and East Bengal, and temperature was generally rising, but otherwise ordinary weather prevailed. In the south of the Bay, however, conditions were beginning to be unsettled; pressure from being very high was falling, and indraught to a low-pressure area in the extreme south was more distinct.

Pressure, as stated above, has been very high throughout the week, especially in the south of the Bay, and the distribution more uniform than usual. Means for the week are all considerably above the normal, excess varying from a twentieth of an inch in Behar and North Bengal to a tenth in the south of Orissa.

Temperature, as compared with the normal, was lowest in the early part of the week, the lowest minimum readings occurring between the 16th and 18th at all except a few stations in East and North Bengal. The highest maximum temperature, however, was generally recorded on the 15th, the first day of the week. In the table giving temperatures at representative stations it will be seen that mean defect during the day has been less than at night at all except Purneah and Darjeeling, where the mean maximum temperature is below and the mean minimum above the normal. For the large divisions means are below the normal by $.5^{\circ}$ or less, except in South-West Bengal and South Behar, where defect is 1.1° and 1.4° respectively, and in North Bengal, where there is excess of $.8^{\circ}$.

Table showing the excess or defect of the actual mean temperature from the normal for the week ending the 21st of November 1890.

	Normal mean maximum temperature for the week ending 21st November.	Actual mean maximum temperature for the week ending 21st November 1890.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 21st November.	Actual mean minimum temperature for the week ending 21st November 1890.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 21st November.	Actual mean daily temperature for the week ending 21st November 1890.	Variation of actual mean from the normal.
Cuttack	85.0	84.4	-.6	64.0	61.8	-2.2	74.5	73.1	-1.4
Calcutta	81.1	79.8	-1.3	63.2	59.9	-3.3	72.1	69.9	-2.2
Dacca	83.7	83.5	-.2	64.0	63.6	-.4	73.9	73.6	-.3
Burdwan	82.4	82.2	-.2	62.3	61.3	-1.0	72.4	71.8	-.6
Patna	81.2	79.9	-1.3	68.1	55.9	-12.2	69.7	67.9	-1.8
Chy	82.4	81.8	-.6	57.7	53.7	-4.0	70.1	67.8	-2.3
Purneah	81.7	79.9	-1.8	57.2	58.3	+1.1	69.5	69.1	-.4
Hasaribagh	76.6	78.1	+1.5	56.6	54.0	-2.6	66.6	66.1	-.5
Darjeeling	84.2	83.3	-.9	40.7	41.0	+0.3	47.5	47.2	-.3

Rainfall.—One shower of .13 inch fell at Buxa on the 15th.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 21st of November 1890 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1890.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	86.4	56.5	82.5	62.2	72.3	-0.5	Nil	0.28	-0.28	0.0	0.3	-0.3	1.50	1.16	63.27	52.40
South-West Bengal ...	86.3	54.1	81.8	60.2	71.0	-1.1	Nil	0.01	-0.01	0.0	0.1	-0.1	0.17	0.29	56.85	51.29
East Bengal	84.7	59.7	81.9	62.4	72.2	-0.6	Nil	0.07	-0.07	0.0	0.1	-0.1	0.17	0.86	71.42	73.45
North Bengal	83.7	56.5	81.1	61.0	71.1	+0.8	Nil	0.01	-0.01	0.0	0.1	-0.1	0.23	0.14	95.09	68.81
North Behar	82.3	51.9	80.3	58.0	69.2	-0.3	Nil	0.02	-0.02	0.0	0.1	-0.1	Nil	0.04	64.38	47.94
South Behar	83.9	51.1	80.8	54.9	67.9	-1.4	Nil	0.01	-0.01	0.0	0.1	-0.1	0.09	0.13	54.86	43.10
Chutia Nagpur	79.3*	49.5*	77.9*	52.0*	65.3*	-0.5*	Nil	0.04	-0.04	0.0	0.1	-0.1	0.02	0.24	46.00	48.18

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL ;

C. LITTLE,

The 25th November 1890.

Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 16th to 22nd November 1890.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE.						HYGROMETRY.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
November...	16th ...	30.070	69.9	80.9	22.0	58.9	75.6	62.6	.395	52.4	45	Nil
"	17th ...	.077	69.7	80.4	21.5	58.9	75.6	65.6	.498	58.8	56	...
"	18th ...	.087	72.0	80.9	17.8	63.1	76.6	69.6	.631	65.6	69	...
"	19th ...	.110	71.8	81.4	19.3	62.1	76.6	67.4	.549	61.6	60	...
"	20th ...	.088	71.2	80.4	18.5	61.9	76.6	67.1	.538	61.0	59	...
"	21st ...	.117	71.9	80.9	18.0	62.9	75.1	67.4	.569	62.6	65	...
"	22nd ...	.134	71.3	80.7	18.8	61.9	76.6	67.6	.557	62.0	61	...

The mean 10 A.M. pressure of the seven days 30.098

The mean temperature of the seven days 71.1

The extreme variation of temperature 22.5

The maximum temperature 81.4

The mean 10 A.M. relative humidity of the seven days 59

The total fall of rain from 16th to 22nd November 1890 Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

J. H. GILLILAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA ;

The 24th November 1890.

Results of the Meteorological Observations taken at the Alipore Observatory from 16th to 22nd November 1890.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour pressure.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
Nov.	16th	134.8	9.8	30.000	68.1	79.2	21.8	57.4	62.3	0.485	58.1	73	WNW and calm	22	Nil	Clear, Δ .
"	17th	132.5	9.4	.007	68.9	79.5	20.5	59.0	63.7	.525	60.3	75	N by W and calm	31	"	Chiefly clear, Δ .
"	18th	138.5	8.9	.024	70.9	79.7	17.3	62.4	66.1	.578	63.0	77	N and calm	17	"	Chiefly clear, Δ .
"	19th	138.3	9.1	.037	70.5	79.7	18.5	61.2	65.8	.574	62.8	78	NE and calm	12	"	Chiefly clear, Δ , =.
"	20th	136.6	8.6	.035	69.5	79.3	18.9	60.4	65.4	.573	62.8	81	NNE and calm	12	"	Chiefly clear, Δ , =.
"	21st	135.3	9.0	.048	70.2	80.3	20.2	60.1	65.7	.573	62.8	79	NNW, calm and variable.	19	"	Chiefly clear, Δ , =.
"	22nd	138.8	9.4	.064	70.3	79.4	18.1	61.3	65.4	.564	62.4	78	NNE and calm	28	"	Chiefly clear, Δ , =.

The mean pressure of the seven days ... 30.031
 The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 29.992

The total number of hours of bright sunshine ... 64.2
 The maximum possible number of hours of sunshine ... 76.7

The mean temperature of the seven days ... 69.8
 The average temperature of the corresponding period for 24 years, S.-G.'s Office ... 73.8
 The extreme variation of temperature ... 22.9
 The maximum temperature ... 80.3

The highest velocity of the wind in one hour ... 6
 The highest pressure of wind on one square foot ... ?

The mean relative humidity ... 77
 The average relative humidity of the corresponding period for 24 years, S.-G.'s Office ... 70

The total fall of rain from 16th to 22nd November 1890 ... Nil
 The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.01
 The total fall from 1st January to 22nd November 1890 ... 61.25
 The average fall of the corresponding period for 24 years, S.-G.'s Office ... 65.14

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

Δ dew, = fog.

J. H. GILLILAND.

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
 Calcutta, the 24th November 1890.

MEMORANDUM.

Weekly review of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 1st November 1890.

BIRTHS.

THE births registered during the week ending with Saturday, the 1st November 1890, in twenty-seven principal towns of Bengal correspond to an annual rate of 29.1 per 1,000 of the aggregate population of those towns, which is 1,061,574. This rate is 4.2 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years with which comparison is instituted—*vide* the figures below—

	1885.	1886.	1887.	1888.	1889.	Weekly average of five years, 1885-89.	1890.
Ratio of births per 1,000 of the population per annum	27.5	23.4	23.9	23.0	26.5	24.9	29.1

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	11th Oct. 1890.	18th Oct. 1890.	25th Oct. 1890.	1st Nov. 1890.		11th Oct. 1890.	18th Oct. 1890.	25th Oct. 1890.	1st Nov. 1890.
Burdwan	13.7	33.6	13.7	33.6	Narainganj	49.7	24.8	70.4	66.2
Midnapore	18.6	7.7	7.7	20.1	Chittasong	9.4	9.4	...	11.7
Hughli and Chinsurah	41.0	49.2	27.9	42.7	Comillah	27.0	27.0	46.2	19.3
Serampore	49.1	23.6	43.2	53.0	Patna City	12.3	14.3	12.3	11.4
Uttarpara	37.7	47.2	...	47.2	Gya	30.7	39.6	12.3	16.4
Howrah	29.2	24.6	23.2	31.6	Arrah	45.6	20.3	21.5	21.5
Bali	31.6	28.1	24.6	16.5	Mozufferpore	29.2	21.9	24.3	37.7
Krishnagar	9.5	18.9	18.1	23.7	Durbhanga	43.3	37.0	30.2	59.0
Ranaghat	12.0	18.0	18.0	18.0	Chupra	48.3	40.3	11.1	33.2
Santipore	17.5	8.8	...	19.3	Bhagulpore	42.5	16.3	...	46.2
Jessore	6.1	6.1	12.2	...	Monghyr	58.8	37.1	46.1	51.5
Rampore Beaulah	39.4	31.5	36.8	36.8	Purneah	20.8	6.9	13.9	3.4
Darjiling	51.9	51.9	14.8	...	Poori	18.9	16.8	16.8	21.0
Daeca	18.8	24.0	13.0	27.9					
					Total	29.5	23.0	19.4	29.1

It will be seen that last week the highest birth-rate was returned from Narainganj (66.2) and the lowest from Purneah (3.4). No births were registered during the week in Jessore and Darjiling towns.

DEATHS.

The deaths registered during the week under review correspond to an annual rate of 23.7 per 1,000 of the population. The rate of the week is 7.4 below the average rate of the corresponding week of the past five years, and also below the rate of the corresponding week of any of the past five years except 1887—*vide* the figures below—

	1885.	1886.	1887.	1888.	1889.	Weekly average of five years, 1885-89.	1890.
Ratio of deaths per 1,000 of the population per annum	30.9	30.4	23.7	28.1	28.5	31.1	23.7

The deaths registered in each of the last four weeks in each of the twenty-seven towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	11th Oct. 1890.	18th Oct. 1890.	25th Oct. 1890.	1st Nov. 1890.		11th Oct. 1890.	18th Oct. 1890.	25th Oct. 1890.	1st Nov. 1890.
Burdwan	24.4	22.9	22.9	25.1	Narainganj	37.3	24.8	41.4	45.5
Midnapore	27.9	12.4	9.9	21.7	Chittasong	16.4	14.1	...	15.8
Hughli and Chinsurah	27.9	29.5	14.8	31.2	Comillah	15.4	11.6	23.1	11.6
Serampore	43.2	47.1	60.8	82.4	Patna City	20.4	15.9	15.9	13.3
Uttarpara	28.5	37.7	...	60.6	Gya	54.0	60.1	84.8	27.3
Howrah	18.3	17.8	19.5	18.9	Arrah	23.9	12.0	8.4	10.8
Bali	28.1	24.0	28.1	14.0	Mozufferpore	24.3	38.9	14.6	14.6
Krishnagar	5.7	7.6	3.8	11.4	Durbhanga	26.7	20.5	29.9	26.0
Ranaghat	12.0	24.1	24.0	24.0	Chupra	37.2	20.1	23.1	17.1
Santipore	3.5	8.5	...	10.5	Bhagulpore	14.5	17.2	...	18.1
Jessore	30.6	...	30.6	49.0	Monghyr	29.8	21.7	24.4	37.1
Rampore Beaulah	44.7	42.0	4.9	39.4	Purneah	17.3	6.9	20.8	27.7
Darjiling	44.5	51.9	44.5	66.7	Poori	42.0	25.2	18.9	35.7
Daeca	18.2	18.2	25.9	20.8					
					Total	25.3	22.8	26.4	23.7

It will be seen that last week the highest mortality occurred in the town of Serampore (82·4) and the lowest in Santipore (10·5).

Measured by last week's mortality, the highest annual death-rates from cholera, fever, bowel-complaints and other causes occurred in the following towns:—

<i>Cholera.</i>		<i>Fever.</i>		<i>Bowel-complaints.</i>		<i>Other causes.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Patna City	... 5·5	Jessore	... 42·8	Darjiling	... 29·6	Utterpara	... 37·7
Monghyr	... 5·4	Rampore Beaulah	36·8	Serampore	... 15·7	Serampore	... 33·4
		Darjiling	... 29·6			Narainganj	... 20·4
		Serampore	... 29·4			Poori	... 16·8
		Ranaghat	... 24·0			Gya	... 13·7
		Purneah	... 20·8			Dacca	... 11·0
						Midnapore	... 10·8

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 1·8 from cholera, against 1·9 per 1,000 in the preceding week; 10·5 from fever, against 10·4; 3·3 from bowel-complaints, against 2·8; 2 from injury, against 4; and 7·9 from other causes, against 4·8 in the preceding week. No deaths were registered from small-pox during the week.

The mortality of last week according to *Sex*, *Class*, and *Age* was as follows:—

<i>According to Sex.</i>			<i>According to Class.</i>			<i>According to Age.</i>		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	22·4	Christians	...	7·5	Under 1 year	...	200·8
Females	...	25·2	Hindus	...	24·0	1 and under 5 years	...	35·8
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population ...	89		Mahomedans	...	23·7	5 " 10 "	...	11·8
						10 " 15 "	...	7·6
						15 " 20 "	...	15·4
						20 " 30 "	...	11·8
						30 " 40 "	...	16·9
						40 " 50 "	...	15·8
						50 " 60 "	...	28·2
						60 years and upwards	...	58·5

Detailed information regarding the vital statistics of the twenty-seven principal town, dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

The 22nd November 1890.

Sanitary Commissioner for Bengal.

1	2	3	4	5	6	7	8	9	10	11	12																				
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
		Males.	Females.	Total.	NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.	Ratio of male births to every 100 female births.	Disease.							Ratio of deaths per 1,000 of population per annum in the previous week.	Sex.													
					Males.	Females.	Total.			DEATHS FROM—					RATIO PER 1,000 OF POPULATION PER ANNUM.								DEATHS.	RATIO PER 1,000 OF POPULATION PER ANNUM.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.						
										Males.	Females.	Total.	Cholera.	Small-pox.	Fever.	Bowel-complaints.		Injury.	Other diseases.	All causes.	Cholera.	Small-pox.				Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Males.	Females.	Males.	Females.
Surdwan ...	Burdwan ...	18,663	16,617	34,080	9	13	22	13.7	19.8	33.6	69	...	...	13	4	...	6	23	...	...	19.8	6.1	...	9.2	35.1	22.9	13	10	37.4	52.5	115
Midnapore ...	Midnapore ...	16,927	16,633	33,560	8	5	13	12.4	7.7	20.1	160	...	...	4	3	...	7	14	...	...	6.2	4.6	...	10.8	21.7	9.3	9	5	27.6	15.6	177
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	16	10	26	20.3	16.4	42.7	160	...	...	10	5	...	4	19	...	...	16.4	8.2	...	6.6	31.2	14.8	2	11	26.2	36.1	72
Serampore ...	Serampore ...	13,559	12,937	26,496	15	14	27	25.5	27.5	53.0	92	2	...	15	8	...	17	42	3.9	...	39.4	15.7	...	33.4	82.4	60.8	23	19	88.2	76.4	115
	Utterpara ...	3,046	2,464	5,510	1	4	5	9.4	37.7	47.2	25	...	...	2	...	...	4	6	...	...	18.9	...	...	37.7	56.6	...	4	2	68.3	42.2	161
Howrah ...	Howrah ...	53,153	37,660	90,813	39	25	55	17.2	14.3	31.5	120	...	...	11	9	...	13	33	...	...	6.3	5.2	...	7.4	18.9	19.5	18	15	17.6	20.7	85
	Balli ...	7,836	6,979	14,815	1	2	3	3.5	7.0	10.5	50	...	...	2	1	...	7	4	...	...	7.0	3.5	...	3.6	14.0	28.1	1	3	6.6	22.4	29
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	7	5	12	13.2	9.5	22.7	140	...	...	4	...	...	2	6	...	...	7.6	...	...	3.8	11.4	3.8	2	4	7.8	14.6	53
	Ranaghat ...	4,028	4,655	8,683	1	1	2	6.0	6.0	12.0	100	...	...	4	...	...	...	4	...	...	24.0	...	...	...	24.0	24.0	1	3	12.9	33.5	38
Jessore ...	Santipore ...	13,708	15,979	29,687	6	6	11	10.5	8.8	19.3	120	...	...	3	...	...	3	6	...	...	5.2	...	...	5.2	10.5	...	3	3	11.4	9.8	116
	Jessore ...	4,830	3,465	8,495	...	...	...	...	...	...	...	...	...	7	1	...	...	8	...	...	42.8	6.1	...	...	49.0	30.6	1	7	10.8	99.3	11
Rajshahye ...	Rampore Beaulah	16,766	9,025	19,791	6	8	14	15.8	21.0	36.8	75	...	...	14	...	...	1	15	...	...	36.8	...	...	2.6	39.4	49.9	5	10	24.2	57.6	42
Darjiling ...	Darjiling ...	4,579	2,439	7,018	...	...	...	...	...	...	...	...	...	4	4	...	1	9	...	...	29.6	29.6	...	7.4	66.7	44.5	4	5	45.4	106.6	42
Dacca ...	Dacca ...	42,782	37,379	80,161	23	20	43	14.9	13.0	27.9	115	...	...	11	4	...	17	32	...	...	7.1	2.6	...	11.0	20.8	25.9	17	15	20.6	26.9	56
	Narainganj ...	7,605	4,956	12,561	10	6	16	41.4	24.8	66.2	166	...	...	3	3	...	5	11	...	...	12.4	12.4	...	20.7	45.5	41.4	6	5	41.0	52.5	78
Chittagong ...	Chittagong ...	13,340	8,790	22,130	3	2	5	7.0	4.7	11.7	150	...	...	8	1	...	2	11	...	...	18.8	2.3	...	4.7	25.8	...	8	3	31.2	17.7	176
Tipperah ...	Comillah ...	8,153	5,353	13,506	3	2	5	11.6	7.7	19.3	150	...	...	2	...	...	1	3	...	...	7.7	...	...	3.9	11.6	23.1	2	1	12.8	9.7	133
Patna ...	Patna City	75,762	81,475	160,237	17	18	35	6.5	5.8	11.4	94	17	...	14	1	...	9	41	5.5	...	4.5	3	...	2.9	13.3	15.9	20	21	13.2	13.4	98
Gya ...	Gya ...	38,290	37,831	76,121	11	13	24	7.5	8.9	16.4	84	2	...	17	...	1	20	40	1.3	...	11.6	...	7	14.7	27.3	34.8	19	21	25.8	28.9	89
Shahabad ...	Arrah ...	20,960	22,905	43,465	11	7	18	13.1	8.4	21.5	157	...	...	6	1	1	1	9	...	...	7.2	1.2	1.2	1.2	10.8	8.4	4	5	9.9	11.6	85
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	17	14	31	20.7	17.0	37.7	121	2	...	3	2	...	5	12	2.4	...	3.6	2.4	...	6.1	14.6	14.6	6	6	13.5	15.9	85
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	46	29	75	36.2	22.8	59.0	158	2	...	16	6	...	9	33	1.6	...	12.6	4.7	...	7.1	26.0	29.9	12	21	18.5	33.8	55
Sarun ...	Chupra ...	25,116	26,554	51,670	20	13	33	20.1	13.1	33.2	163	2	...	7	1	1	6	17	2.0	...	7.0	1.0	1.0	6.9	17.1	23.1	7	10	14.5	19.6	74
Bhagulpore ...	Bhagulpore ...	29,640	27,813	57,453	26	25	51	23.6	22.6	46.2	104	3	...	4	4	1	8	20	2.7	...	3.6	3.6	9	7.2	18.1	...	11	9	19.3	16.8	115
Monghyr ...	Monghyr ...	23,164	20,366	43,530	31	26	57	23.0	23.5	51.5	119	6	...	19	5	...	11	41	5.4	...	17.3	4.5	...	9.9	37.1	24.4	23	18	42.5	31.9	133
Purneah ...	Purneah ...	8,463	6,553	15,016	...	1	1	...	3.4	3.4	No male birth.	...	...	6	1	...	1	8	...	...	20.8	3.4	...	3.4	27.7	20.8	3	5	15.4	30.7	46
Poori ...	Poori ...	13,247	11,537	24,784	7	3	10	14.7	6.3	21.0	233	...	...	5	3	1	8	17	...	...	10.5	6.3	2.1	16.8	35.7	18.9	7	10	27.5	45.1	61
Total		250,960	210,298	1,061,274	323	271	594	15.8	13.2	29.0	119	26	...	374	67	6	168	244	1.8	...	10.5	3.9	...	6.4	23.7	...	...	...	...	...	...

DISTRICTS.	NAMES OF MUNICIPALITIES.	Class.										Age.																			
		DEATHS AMONG—					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	18	5				39.5	25.3			2	5		2		2	1	4	3	4	157.6	115.2		41.3		13.1	7.5	47.1	63.5	140.4	
Midnapore	Midnapore	12	2				24.1	14.4			3					1	2	4	1	3	210.0					7.1	18.8	53.8	25.2	85.2	
Hughli	Hughli and Obin-surah	17	2				35.0	16.9			2	4	2	1	1	1	1	1	1	5	125.5	93.7	36.0	21.0	20.7	8.4	9.1	12.5	20.0	155.4	
Serampore	Serampore	35	7				72.1	38.1			10	3	2		1	4	7	3	5	7	732.4	86.4	41.4		23.8	38.6	73.2	46.2	185.8	261.7	
	Utterpara	6					58.6				2			1			1		2		646.0			108.6			49.0		282.6		
Howrah	Howrah	27	6				29.6	15.2			8	5			1	3	6	3	1	6	201.6	46.9			7.1	6.9	16.2	13.3	9.5	83.2	
	Bali	3	1				11.6	39.7				2								2		104.1								142.1	
Nuddea	Krishnagar	5	1				14.0	6.3			3	1					1			1	314.5	21.1					12.1			30.1	
	Ranaghat	3	1				21.3	38.1				2					1			1		13.8					41.7			91.4	
	Santipore	5	1				12.6	5.8			2		1	1	1				1		123.1		13.8	17.9	23.4				22.6		
Jessore	Jessore	4	4				46.1	54.4			1	2	1		1	1	1			1	268.0	21.5	65.6		71.0	25.8	34.0			113.5	
Rajshahye	Rampore Beaulah	4	11				21.0	58.3			4	2	1				3	1		4	312.3	73.3	25.0				43.3	21.2		216.0	
Darjiling	Darjiling	8	1				90.6	85.0			1	3					2	2	1		429.8	242.6					72.6	150.3	213.1		
Dacca	Dacca	22	10				28.4	13.2			6	2		2	4	2	7	2	5	2	164.4	14.1		13.1	28.5	6.8	31.2	12.4	54.0	18.7	
	Narainganj	6	5				40.3	42.2			5					1		3	1	1	951.9					19.5		112.0	66.5	79.8	
Chittagong	Chittagong	1		10			65.3		34.0						1	5	3		1	1						21.5	56.2	46.8		47.9	65.8
Tipperah	Comilla	1	2				8.7	14.1			1		1			1					175.1		31.9			18.8					
Patna	Patna City	25	16				10.9	20.3			3	7	4	3	2	4	4	5	6	3	36.2	24.9	12.4	10.8	9.3	7.2	8.9	13.8	22.1	11.3	
Gya	Gya	33	7				23.6	22.6			9	8	4		1	4	3	2	3	6	261.5	65.5	29.7		9.9	14.1	12.3	10.6	23.7	60.6	
Shahabad	Arrah	4	5				6.7	21.0			3	1	1			1				3	121.1	11.7	10.1			6.6				64.1	
Muzafferpore	Muzafferpore	9	3				15.6	12.5			4	2			3	1				2	217.8	25.7				51.5	6.1			42.7	
Durbhanga	Durbhanga	28	5				30.1	14.8			8	5	2		1	5	3		2	7	267.2	34.2	13.3		12.9	19.5	14.0		23.7	114.0	
Saran	Chupra	11	6				14.4	26.2			5	2			1	2	1	1	2	3	184.3	20.1			15.0	11.3	6.7	8.6	25.2	45.9	
Bhagulpore	Bhagulpore	14	6				18.3	13.1			4	3	1	1	2	3	2	2	1	1	174.2	23.8	8.9	8.3	24.9	14.3	11.2	16.5	12.2	14.4	
Monghyr	Monghyr	27	14				31.4	57.9			11	2	3		3	5	7	4		6	385.2	16.7	22.1		41.3	25.1	49.8	32.6		87.0	
Purneah	Purneah	5	3				28.3	27.6					1		1	1	1		2	2			32.9		52.3	15.8	18.2		111.0	125.9	
Poori	Poori	17					36.0				1	3	1	3		1		1	4	3	171.6	86.8	23.2	83.2		9.8		15.6	93.2	86.4	
	TOTAL	1	349	131			7.5	24.0	23.7		98	64	25	14	24	48	57	38	42	74	200.8	36.8	11.8	7.6	15.4	11.8	16.9	13.8	28.2	58.5	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing Quantities of Goods carried during the month of September 1890.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.	
		Quantity—Tons.			Value.	Quantity.	Value.
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.
627	1. Grain ...	633.84	7,424.83	8,058.67	5,29,357	8,058.67	5,29,357
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
180	3. Oilseeds ...	52.43	2,809.59	2,862.02	2,66,051	2,862.02	2,66,051
245	4. Salt ...	3,155.8	56.73	3,212.53	3,43,732	3,212.53	3,43,732
4	5. Piece-goods ...	1	51	1.51	5,700	1.51	5,700
27	6. Metal ...	113.98	108.39	222.37	32,850	222.37	32,850
68	7. Building materials ...	213.80	190.04	403.84	2,580	403.84	2,580
1,764	8. Miscellaneous ...	8,527.82	24,454.08	32,981.90	43,28,380	32,981.90	43,28,380
99	9. Fuel ...	2,409.32	128.36	2,537.68	24,758	2,537.68	24,758
.....	10. Timber ...	.....	45 c. ft.	45 c. ft.	135	45 c. ft.	135
16 rafts	11. Bamboos ...	131 c. ft.	12,825 "	12,956 "	1,276	12,956 "	1,276
3,014 & 16 rafts.	12. Total ...	{ 15,107.99 & 131 c. ft.	{ 35,172.53 & 12,870 c. ft.	{ 50,280.52 & 13,001 c. ft. }	55,34,819	{ 50,280.52 & 13,001 c. ft. }	55,34,819
3,104 & 3 rafts.	13. Total of same month last year	{ 14,764 & 36 c. ft.	{ 34,527 & 266 c. ft.	{ 49,291 & 302 c. ft. }	54,89,254	{ 49,291 & 302 c. ft. }	54,89,254
		Up.	Down.	Total.			
14. Total number of boats plying cargo	No.	1,027	1,987	3,014	Total tollage of month—24+25+26 ...		
14a. Empty boats, steamers, &c.	No.	666	131	797			
15. Total number of boats plying passenger	No.	1,431	970	2,401	Total tollage of same month last year ...		
15a. Empty boats	"	219	29	248			
16. Total registered tonnage, cargo	Tons	39,003.70	73,091.54	112,095.24	<i>Memorandum of Tollage.</i>		
17. Total registered tonnage, passenger	Tons	1,996	933	2,929			
18. Ton-mileage	.....	.....	.....	.....	1. Balance not recovered on the 1st of the month ...		
19. Estimated value of cargo	Rs.	23,20,563	32,12,845	55,33,408			
20. Number of passengers	No.	3,407	1,750	5,157	2. Tollage per month ...		
21. Rafts, bamboos	C. ft.	131	12,825	12,956	3. Total ...		
22. Do., bullahs	"	.....	45	45	4. Amount paid into treasury during the month ...		
23. Estimated value of rafts	Rs.	16	1,395	1,411	5. Balance due at the end of the month ...		
24. Tollage on boats	"	9,847-2-6	16 970-13-0	26,817-15-6			
25. Compounded tollage on boats	Rs.	.....	.....	.....
26. Tollage on rafts	"	1-2-0	16-11-0	17-13-0			
27. Total tollage on boats per ton-mile*	.....	.....	.....	.....
28. Total tollage on rafts per 100 cubic feet ...	Rs.	.....	.....	0-2-2			

* Boats in these rivers do not pay per mile.

Abstract for the month of September 1890 as compared with the corresponding month of the previous year.

	1890-91.		1889-90.	
	During the month.	To end of the month.	During the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage ...	26,835 12 6	1,17,987 13 0	27,960 15 6	1,17,060 3 8

CALCUTTA,
24th November 1890. (G. A. G. SHAW, E.
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 97½ MILES.

Statement showing Quantities of Goods carried during the month of September 1890.

Number of boats or rafts.	DESCRIPTION.	* TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
89	1. Grain ...	707	123	830	50,106	830	50,106
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
2	3. Oilseeds ...	22	.....	22	1,925	22	1,525
29	4. Salt ...	.....	313	313	35,795	313	35,795
3	5. Piece-goods ...	.....	16	16	11,200	16	11,200
1	6. Metal ...	.....	1	1	150	1	150
8	7. Building materials ...	13	30	43	703	22	543
730	8. Miscellaneous ...	224	434	658	64,980	655	64,724
8	9. Fuel ...	.....	34	34	580	27	180
rafts	10. Timber ...	432 c. ft.	.....	432 c. ft.	346	432 c. ft.	346
"	11. Bamboos ...	275 "	350 c. ft.	625 "	57	625 "	57
870 & rafts	12. Total ...	{ 966 & 707 c. ft.	{ 951 350 c. ft.	{ 1,917 & 1,057 c. ft. }	1,65,842	{ 1,886 & 1,057 c. ft. }	1,65,026
871 & rafts	13. Total of same month last year.	{ 896 & 1,820 c. ft.	{ 618	{ 1,514 & 1,820 c. ft. }	1,52,540	{ 1,420 & 1,820 c. ft. }	1,51,846
		Up.	Down.	Total.			Rs. A. P.
Total number of boats plying cargo No.		430	440	870	Total tollage of month—24+25+26 ...		3,779 11 9
Total number of boats plying passenger No.		94	64	158	Total tollage of same month last year ...		3,895 3 9
Total registered tonnage, cargo Tons		2,786	2,690	5,476	Memorandum of Tollage.		
Total registered tonnage, passenger Tons		689	626	1,315			
Ton-mileage ...		107,062	106,301	213,363			
Estimated value of cargo Rs.		50,763	1,14,676	1,65,439			
Number of passengers No.		1,630	923	2,553			
Rafts, bamboos C. ft.		275	350	625			
Do., bullahs "		432	.....	432			
Estimated value of rafts Rs.		373	30	403			
Tollage on boats "		1,895-14-3	1,869-14-6	3,765-12-9			
Compounded tollage on boats Rs.		.....	0-8-0	0-8-0			
Tollage on rafts "		12-9-0	0-14-0	13-7-0			
Total tollage on boats per ton-mile Rs.		.....	.....	0-0-3-3			
Total tollage on rafts per 100 cubic feet Rs.		.....	.....	1-4-4			
					1. Balance not recovered on the 1st of the month		5,425 15 0
					2. Tollage per month ...		3,779 11 9
					3. Total ...		9,205 10 9
					4. Amount paid into treasury during the month ...		6,299 7 6
					5. Balance due at the end of the month ...		2,906 3 3

Abstract for the month of September 1890 as compared with the corresponding month of the previous year.

	1890-91.		1889-90.	
	* During the month.	To end of the month.	During the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Tollage ...	3,779 11 9	33,546 8 3	3,895 3 9	28,951 9 6

CALCUTTA,
25th November 1890.G. A. G. SHAW, E.
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing Quantities of Goods carried during the month of September 1890.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
528	1. Grain ...	7,803	.....	7,803	7,61,499	7,803	7,61,499	For details, see next page.
1	2. Cotton ...	25	.....	25	13,300	25	13,300	
19	3. Oilseeds ...	324	.....	324	40,624	324	40,624	
290	4. Salt ...	623	5,159	5,782	5,36,293	5,782	5,36,293	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
3	6. Metal ...	11	10	21	7,493	21	7,493	
89	7. Building materials ...	2,315	14	2,329	41,278	2,329	41,278	
2,277	8. Miscellaneous* ...	15,508	1,458	16,966	18,99,287	16,966	18,99,287	
484	9. Fuel ...	10,667	1,112	11,779	85,747	11,779	85,747	
.....	10. Timber ...	.....	.....	.....	.....	.....	.....
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
3,691	12. Total ...	37,276	7,753	45,029	33,85,521	45,029	33,85,521	
3,620	13. Total of same month last year.	37,732	7,421	45,153	33,48,325	45,153	33,48,325	
14. Total number of boats plying cargo No.		Up.	Down.	Total.				Rs. A.
14a. Empty ...		3,287	404	3,691	Total tollage of month— 24+25+26 ...			28,867 11
15. Total number of boats plying passenger No.		581	2	583	Total tollage of same month last year ...			27,560 5
16. Total registered tonnage, cargo Tons		1,21,589	20,742	1,42,331	Memorandum of Tollage.			
17. Total registered tonnage, passenger Tons		921	3	924				
18. Ton-mileage ...		986,815	207,420	1,194,235				Rs. A.
19. Estimated value of cargo Rs.		27,47,999	6,37,522	33,85,521	1. Balance not recovered on the 1st of the month ...			1,261 13
20. Number of passengers No.		2,637	10	2,647	2. Tollage per month ...			28,867 11
21. Rafts, bamboos C. ft.		.....	.....	.....	3. Total ...			30,129 9
22. Do., bullahs „		.....	.....	.....	4. Amount paid into treasury during the month ...			29,158 6
23. Estimated value of rafts Rs.		.....	.....	.....	5. Balance due at the end of the month ...			971 2
24. Tollage on boats „		23,784-14-9	5,082-13-0	28,867-11-9				
25. Compounded tollage on boats Rs.		.....	.....	.....	
26. Tollage on rafts „		.....	.....	.....	
27. Total tollage on boats per ton-mile Rs.		.....	.....	0-0-4-64				
28. Total tollage on rafts per 100 cubic feet Rs.		.....	.....	.....	

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).
CALCUTTA AND EASTERN CANALS.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
812	(a) Jute ...	11,165	.....	11,165	10,94,187	11,165	10,94,187	
45	(b) Jaggery ...	330	70	400	44,900	400	44,900	
5	(c) Sugar ...	44	.....	44	11,025	44	11,025	
2	(d) Tobacco ...	.....	14	* 14	2,800	14	2,800	
500	(e) Fish ...	73	3	76	21,332	76	21,332	
17	(f) Hides ...	43	.....	43	9,600	43	9,600	
107	(g) Poultry ...	28	.....	28	22,270	28	22,270	
25	(h) Hay and straw ...	201	.....	201	4,212	201	4,212	
69	(j) Oil ...	.....	1,090	1,090	1,66,855	1,090	1,06,855	
43	(k) Earthenware ...	70	.....	70	982	70	982	
652	(m) Other miscella- neous ...	3,554	281	3,835	5,81,124	3,835	5,81,124	
2,277	Total Miscellaneous...	15,508	1,458	16,966	18,99,287	16,966	18,9,287	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.
SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing Quantities of Goods carried during the month of September 1890.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
1,146	1. Grain ...	3,950	19	3,969	3,42,703	3,969	3,42,703	* For details, see next page.
1	2. Cotton ...	3	.....	3	1,900	3	1,900
23	3. Oilseeds ...	549	.....	549	69,187	549	69,187
105	4. Salt ...	718	571	1,289	1,19,581	1,289	1,19,581	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
639	7. Building materials ...	6,868	.....	6,868	24,140	6,868	24,140
791	8. Miscellaneous* ...	3,672	66	3,738	3,69,783	3,738	3,69,783	
142	9. Fuel ...	2,215	.....	2,215	16,755	2,215	16,755
2 rafts.	10. Timber ...	925 c. ft.	125 c. ft.	1,050 c. ft.	2,625	1,050 c. ft.	2,625	
5 "	11. Bamboos ...	187 "	.....	187 "	23	187 "	23
2,847 & 7 rafts.	12. Total ...	{ 17,975 & 1,112 c. ft.	{ 656 & 125 c. ft.	{ 18,631 & 1,237 c. ft. }	{ 9,46,697 {	{ 18,631 & 1,237 c. ft. }	{ 9,46,697	
3,170 & 9 rafts.	13. Total of same month last year ...	{ 16,642 & 3,763 c. ft.	{ 665	{ 17,307 & 3,763 c. ft. }	{ 11,81,995 {	{ 17,307 & 3,763 c. ft. }	{ 11,81,995	
14. Total number of boats plying cargo ... No.		Up.	Down.	Total.	Total tollage of month— 24+25+26 ...		Rs. A. P.	
14a. Empty "		2,756	91	2,847	7,646 11 0			
15. Total number of boats plying passenger ... No.		959	171	1,130	Total tollage of same month last year ...		7,951 0 3	
16. Total registered tonnage, cargo ... Tons		397	6	403	Memorandum of Tollage.			
17. Total registered tonnage, passenger ... Tons		49,139	2,268	51,407				
18. Ton-mileage ...		829	9	838	Rs. A. P.			
19. Estimated value of cargo Rs.		400,465	36,288	436,753	1. Balance not recovered on the 1st of the month ...			
20. Number of passengers No.		8,80,382	63,667	9,44,049	503 4 0			
21. Rafts, bamboos C. ft.		2,542	16	2,558	2. Tollage per month ...			
22. Do., bullahs "		187	.....	187	7,646 11 0		
23. Estimated value of rafts Rs.		925	125	1,050	3. Total ...			
24. Tollage on boats "		2,331	317	2,648	8,149 15 0			
25. Compounded tollage on boats ... Rs.		7,078-8-6	558-0-0	7,636-8-6	4. Amount paid into treasury during the month ...			
26. Tollage on rafts "		.....	.....	.....	7,783 0 0		
27. Total tollage on boats per ton-mile Rs.		8-4-6	1-14-0	10-2-6	5. Balance due at the end of the month ...			
28. Total tollage on rafts per 100 cubic feet ... Rs.		.....	.....	0-0-3-35	366 15 0		
		.....	.....	0-13-1			

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).
TOLLY'S NULLAH.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
92	(a) Jute ...	484	....	484	46,942	484	46,942	
75	(b) Jaggery ...	428	9	437	48,980	437	48,980	
	(c) Sugar ...	.....	.....	.....	.....	.....	.....
12	(d) Tobacco ...	95	14	109	21,525	109	21,525	
61	(e) Fish ...	3	2	5	1,320	5	1,320	
1	(f) Hides ...	... ..	.....	.....	80	.....	80	
14	(g) Poultry ...	6	.....	6	1,324	6	1,324	
200	(h) Hay and straw...	420	.....	420	8,821	420	8,821	
49	(i) Oil ...	580	18	598	58,537	598	58,537	
77	(k) Earthenware ...	87	.....	87	1,217	87	1,217	
210	(m) Other miscellane- ous.	1,569	23	1,592	1,81,037	1,592	1,81,037	
791	Total Miscellaneous...	3,672	66	3,738	3,69,783	3,738	3,69,783	

ABSTRACT FOR THE MONTH OF SEPTEMBER 1890, AS COMPARED WITH THE
CORRESPONDING MONTH OF THE PREVIOUS YEAR.

	TRAFFIC, 1890-91.				TRAFFIC, 1889-90.			
	During the month.		To end of the month.		During the month.		To end of the month.	
	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
Calcutta and Eastern Canals ...	28,867	11 9	1,19,932	3 3	27,560	5 6	1,27,297	4 6
Tolly's Nullah ...	7,646	11 0	48,142	14 0	7,951	0 3	41,577	0 9
Total ..	36,514	6 9	1,68,075	1 3	35,511	5 9	1,68,874	5 3

CALCUTTA,
The 25th November 1890.G. A. G. SHAW, *Under-Secretary to the Govt. of Bengal.*

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 22nd November 1890,
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 22ND NOVEMBER 1890.			WEEK ENDING SATURDAY, THE 23RD NOVEMBER 1889.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	395	73,725	1,152	54	13,600	231
Jute ...	440	2,46,925	4,294	220	1,08,193	1,911
Firewood ...	181	75,900	1,137	73	45,376	643
Other articles ...	1,176	3,03,225	4,360	686	1,86,710	3,062
Total ...	2,192	6,98,775	10,943	1,033	3,53,878	5,847

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of August 1890, as compared with the same month of the previous year.

STAPLES.	1890.		1889.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1890.	1889.		
Coal	Tons. 1,888	Tons. 1,910	Tons. 8,362	Tons. 1,244	Tons. 11,295	Tons. 9,606	Tons. 1,689	Tons. 295
Cotton, raw	4	27	6	320	31	326	.....	.....
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	1,777	72	2,385	231	1,849	2,616	.....	767
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	2,086	3,699	1,337	1,915	5,785	3,252	2,533	.....
5.—Others	1,213	2,060	859	3,511	3,273	4,370	.....	1,097
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	2	424	4	251	426	255	171	.....
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	53	3,909	9	8,431	3,909	8,431	.....	4,522
b.—Unscrewed	95	42,080	46	43,899	42,739	43,908	.....	1,169
2.—Gunny-bags and cloth		922		609	1,017	715	3 2	.....
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	625	77	1,020	96	702	1,116	.....	414
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	877	3	587	7	880	594	286	.....
3.—Others	273	43	209	8	316	217	99	.....
Oil-seeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	246	1,068	115	2,302	1,314	2,417	.....	1,103
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betel-nuts	61	406	115	70	467	185	282	.....
3.—Others	311	155	260	131	466	391	75	.....
Railway plant and rolling-stock			4,454	1,414	13,020	5,868	7,652	.....
Salt	3,654	32	2,741	16	5,686	2,767	929	.....
Sugar—								
1.—Drained								
2.—Undrained	777	146	342	320	923	671	252	.....
Tea—								
1.—Foreign								
2.—Indian		2,219		2,244	2,219	2,244	.....	25
Wood—								
1.—Timber	75	45	488	33	120	521	.....	401
2.—Firewood	1,516		1,547		1,516	1,547	.....	31
Tobacco	47	1,645	56	1,928	1,622	1,984	.....	232
All other articles of merchandise—								
1.—Unmanufactured	2,697	1,279	2,833	1,614	3,076	4,447	.....	471
2.—Manufactured	470		532		470	532	.....	62
Hay, straw, and wool (C. & S.-E. Sections)								
Total	18,747	62,827	28,307	70,663	102,591	98,970	14,270	10,649

Comparative statement of the principal commodities carried over the Eastern Bengal State Railway during the month of August 1890.

INCREASES.		Tons.
Coal	.....	1,689
For railway and flotilla consumption.	.....	.....
Rice	.....	2,533
Goalundo contributed 11,000 maunds and the Northern Section the remainder.		
Railway plant and rolling-stock	.....	7,652
For repairs and renewals.	.....	.....
Salt	.....	929
The despatches from Chitpore increased by 44,914 maunds.		
DECREASES.		Tons.
Cotton piece-goods	.....	767
Ordinary fluctuation of traffic.	.....	.....
Jute, screwed	.....	4,522
Narayanganj shows the large decrease of 1,75,380 maunds.		
Jute, unscrewed	.....	1,169
The decrease in despatches from Narayanganj amounted to 52,128 maunds.		
Oil-seeds	.....	1,103
Narayanganj shows the largest decrease, 18,285 maunds, and Narayang follows with a decrease of 5,854 maunds.		

CALCUTTA, the 17th November 1890.

F. P. QUINLAN,
Examiner of Accounts.

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 4 weeks ended 25th October 1890, as compared with the same period of 1889.

-STAPLES.	1890.		1889.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	No.	Mds.	No.	Mds.	No.	Mds.	No.	Mds.
ANIMALS, LIVING								
Horses, ponies, and mules	35	492	7	142	28	350		
Cattle	603	4,321	452	3,719	151	602		
Sheep and goats	3,126	2,633	3,706	3,247			580	614
Other kinds								
BORAX	772	487	230	131	533	356		
Canes and rattans	147	215	150	215			3	2
Cacotehouc (Indian-rubber)								
Chinese and Japanese ware								
Coal and coke, up	4,72,443	1,17,945	4,50,059	1,41,872	21,484			23,927
Do., down	25,61,791	3,44,261	21,33,541	2,93,385	4,28,250	50,876		6,848
Cotton, raw	20,311	19,766	22,676	26,614			32,365	
Twist and yarn (European)	8,107	9,768	6,442	8,396	1,725	1,372		
Do. (Indian)	16,845	8,937	13,787	7,969	3,078	968		
Piece-goods (European)	1,59,874	1,71,325	1,47,525	1,90,480	12,349			19,155
Do. (Indian)	26,313	18,558	31,546	25,290			5,233	6,732
DRUGS AND MEDICINES.								
Asafoetida	152	91	165	87		4	3	
Other sorts, not intoxicating	1,330	1,089	1,447	1,910		79	117	
Intoxicating drugs (other than opium, i.e., arsenic, bang, ganja, and charas, &c.)	853	449	552	297	301	152		
Indigo	6,302	13,549	10,999	28,180			4,697	14,631
Madder or manjit								
Sadflower	170	91	106	48	64	43		
Turneric	15,034	14,440	6,646	3,730	8,388	10,720		
Other kinds	3,433	2,279	4,107	2,986			674	707
Earthenware and porcelain	613	860	623	894			10	34
Jute, raw	40,672	5,739	95,344	10,718			54,672	4,979
Do., manufactured (gunny-bags and cloths)	44,341	24,192	49,736	29,366			5,395	5,174
Other fibres, raw	3,787	955	6,948	2,736			3,161	1,781
Do., manufactured	2,031	735	1,284	359	747	376		
FRUITS & NUTS								
Cocoanuts	10,026	4,847	3,751	1,930	6,275	2,917		
All other kinds	28,856	25,338	25,355	22,235	3,501	3,703		
Wheat	1,97,912	64,045	2,12,732	67,755			14,820	3,710
Gram and pulses	2,38,632	63,412	2,08,582	70,592	30,070			7,180
Rice, husked	4,01,424	71,427	3,61,664	58,567	29,760	12,860		
Do., unhusked	7,007	8,203	69,257	6,933	11,730	1,270		
Other rain and spring crops	1,37,398	25,586	1,00,278	20,196	37,120	5,390		
Government stores	18,506	32,172	13,637	18,852	4,859			
Gums and resins	3,782	2,196	4,065	2,713			283	519
HIDES & SKINS	28,775	14,539	26,669	13,111	2,106	1,428		
Skins of sheep, goats, and small animals	12,010	4,636	11,861	4,861	149			325
Horns	1,424	1,041	1,302	832	122	209		
Lac, dye	120	41	108	40	12	1		
Do., shell	12,240	8,819	11,513	9,285	727			466
Do., stick and other kinds	13,030	4,977	15,233	5,155			2,194	178
Leather, unmanufactured	1,499	2,841	1,784	3,683			285	842
Do., manufactured	2,840	3,908	3,296	5,279			456	1,371
Liquors	14,845	12,472	14,549	13,545	296			1,063
Mats	390	268	268	215	122			
Minerals	96,107	17,170	1,10,905	19,650			14,798	2,490
METALS AND MANUFACTURES								
Brass and copper	24,718	16,520	25,054	15,404			336	
Iron	87,554	57,041	77,060	44,452	10,494	12,589		
Other metals	6,439	5,836	5,852	6,104	587	732		
Oils	76,356	33,768	74,005	42,063	2,351			8,295
Opium	1,441	2,165	869	1,142	575	1,021		
Paints and colours	425	3,135	3,636	3,029			115	3,211
PROVISIONS								
Ghee	29,201	77,766	22,922	19,086	6,279	8,680		
Other kinds	10,379	6,915	6,883	5,580	3,491	1,336		
Railway materials, Construction Account	20,540	1,010	44,328	1,518			23,788	508
Do., ditto, Foreign	38,488	14,349	1,52,062	73,319			113,574	58,970
Salt	5,50,250	1,12,894	4,99,843	93,466	50,407	19,398		
SALTPTRES, &c.								
Salt-petre	41,401	16,706	40,219	15,952	1,182	754		
Other saline substances	14,799	5,258	13,112	5,130	1,687	128		
Linseed	2,25,370	64,734	1,91,780	63,114	33,590	1,620		
Mustard and rape	56,692	9,956	88,492	18,236			31,800	8,280
Til or gingelly								
Other oilseeds	66,916	17,858	88,846	26,068			21,930	8,810
Indigo seed	12,435	6,382	2,665	832	9,860	4,550		
Tea seed								
Other kinds	34,295	13,080	43,225	15,130			8,930	2,050
Silk, raw	844	699	1,039	1,027			195	128
Do., manufactured (European)								
Do., ditto (Indian)	212	149	472	334			260	185
Spices	13,541	6,206	9,783	6,837	3,753	1,349		
Stone and marble	90,624	10,472	1,36,786	13,200			36,162	2,628
SUGAR								
Sugar, refined	1,08,241	36,354	89,268	24,957	18,973	11,397		
Do., unrefined	52,942	10,293	48,919	9,497	4,023	796		
Tea, Indian	4,532	4,606	3,622	4,156	910	450		
Do., Foreign	59	34	72	41			13	7
Tobacco	33,321	12,750	33,196	13,528	125			1,072
Timber	23,465	3,941	13,654	2,226	8,811	1,715		
Firewood	18,259	909	9,781	604	8,478	305		
Wool, raw	447	665	787	969			340	404
Do., manufactured (European)	1,769	3,089	1,787	3,723			18	34
Wool, manufactured (Indian)								
Shawls	3,471	3,481	3,970	4,072			499	591
Other articles of merchandise	1,71,038	1,13,451	1,10,969	1,16,402	60,069	3,049		
Bones	1,429	8,237	19,626	4,890	11,803	3,338		
Potatoes	48,366	20,805	47,484	20,168	882	737		
Total	65,82,422	17,85,979	61,10,521	17,98,436	8,52,123	1,82,231	3,30,232	1,94,658

General remarks on the fluctuation of principal staples carried over the East Indian Railway during the month ended 25th October 1890.

INCREASES.

Coal and coke, up and down.—In the upward traffic there was an increase in the weight carried, attended with a decrease in earnings. The former was due to despatches of short distance Umara coal from via Katni to Jubbulpore for the Great India

Peninsula Railway, and the decrease in earnings to smaller despatches for the Bombay-Baroda and Central India and the North-Western Railways. The downward traffic showed an advance partly for export to coast ports.

Turmeric.—The increase in this commodity occurred chiefly in despatches from Howrah to Patna, Cawnpore and other up-country stations.

Rice (husked and unhusked).—Due to heavier despatches from the loop line stations to stations on the Oudh and Rohilkhand Railway, where the crop was damaged by heavy rains, and to Howrah.

Other rain and spring crops.—The increase was chiefly in Indian-corn and other cheap food-grains from stations on the "R" district to stations on the "B" district, and the Oudh and Rohilkhand Railway.

Government stores.—Chiefly in despatches of ammunition from Howrah and Bhadreswar ghât to Allahabad and Agra, and in ordnance stores from Allahabad Fort and Cawnpore to Agra, Delhi, and stations on the North-Western Railway.

Iron.—Consisted chiefly of iron pipes from Howrah for the Allahabad and Agra water-works.

Ghee.—The improvement in this staple was chiefly in despatches from stations in the North-Western Provinces to Howrah, owing to a good demand in Calcutta for the Doorga Poojah holidays.

Salt.—Chiefly in despatches of imported salt from Howrah to the Bengal and North-Western Railway and to the Tirhoot State Railway.

Sugar (refined and unrefined).—The increase was chiefly in imported sugar from Howrah to up-country stations.

Bones.—Chiefly in despatches from Digha Ghât, Mokameh Ghât, and *vid* Moghalsarai to Bally and Chitpore.

DECREASES.

Cotton.—The decrease was chiefly in despatches from Cawnpore and other cotton-despatching stations in the "D" district owing to last season having been early.

Piece-goods, European.—There was an increase in the weight carried, attended with a decrease in earnings, due to heavy short distance despatches from Howrah to stations on the "A" and "R" districts, owing to a good demand for the Doorga Poojah holidays. Despatches to Cawnpore and Delhi show a serious falling off.

Indigo.—The decrease was in despatches from the North-Western Provinces; the crop suffered much from heavy rains in July and August last.

Jute, raw.—The falling off was chiefly in receipts from the Eastern Bengal State Railway *vid* Naihati and Sahebgunge.

Gunny.—Chiefly in despatches from Howrah and neighbouring stations, owing to the state of the export produce trade.

Gram and pulses.—The improvement in the weight carried was in short lead traffic from stations on the loop line to Patna and stations above, and the decrease in earnings was in long distance traffic from stations on the "D" district.

Railway materials, foreign.—Chiefly in heavier despatches of permanent-way material sent last year from Howrah for the Delhi-Umballa-Kalka Railway.

Seeds.—Chiefly in mustard and other oil seeds from Patna and the Bengal and North-Western and Tirhoot Railways.

N. ST. L. CARTER, *Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, CALCUTTA, the 19th November 1890.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY

Approximate Return of Traffic for week ended 15th November 1890, on 1,525½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	208,706	*2,80,261 11 0	19,36,265 20	5,37,119 2 0	15,510 15 5	8,32,891 12 5	71,492½	76,880½	148,373½
Or per mile of railway ...	.....	183 11 6	.....	352 1 6	10 2 8	545 15 8	.....	.....	.....
For previous 19 weeks of half-year ...	4,230,609	44,70,671 8 6	3,63,13,959 0	89,41,805 2 6	3,06,405 5 8	1,30,18,882 0 2	1,221,745½	1,436,051	2,657,796½
Total for 20 weeks ...	4,439,315	47,50,933 3 0	3,72,50,224 20	87,78,924 4 0	3,21,916 5 1	1,38,51,773 12 7	1,293,238	1,512,931½	2,806,169½
COMPARISON.									
Total for corresponding week of previous year ...	252,634	3,60,848 4 1	22,52,118 0	5,34,696 3 9	21,602 2 3	9,37,136 10 1	65,970	82,459	148,429
Per mile of railway corresponding week of previous year ...	.....	236 8 8	.....	363 9 9	14 2 7	614 5 0	.....	.....	.....
Total to corresponding date of previous year ...	4,416,484	52,25,769 9 0	4,16,81,171 30	92,11,825 9 3	3,10,526 0 8	1,47,57,120 2 11	1,306,728	1,597,473	2,904,201

* The decrease in coaching traffic is partly due to general falling off in traffic, and also to extra trains for troops and Viceroy's body guard having run from Saharanpur to

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI. Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 15TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 15TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 15TH NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Rs.	Rs.
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
1,525½	9,37,137	614	1,525½	8,32,892	546	1,525½	2,67,63,872	532	1,525½	2,48,84,164	404	.....	18,90,708

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 15th November 1890, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,962	5,748 4 0	44,238 0	2,826 12 0	33 2 0	8,608 2 0	1,818	570	2,394
Or per mile of railway ...	191½	100 7 11	773 20	49 6 8	0 9 3	150 7 10	.....	.....	.....
For previous 19 weeks of half-year ...	219,284	1,30,170 9 0	6,28,428 30	41,579 0 0	625 8 6	1,72,375 1 0	25,851½	10,124	35,975½
Total for 20 weeks ...	230,246	1,35,918 13 0	6,67,661 30	44,405 12 0	658 10 0	1,80,983 3 0	27,669½	10,700	38,369½
COMPARISON.									
Total for corresponding week of previous year ...	14,867½	8,190 9 6	38,485 10	2,578 3 0	67 9 3	10,836 5 9	1,808	730	2,538
Per mile of railway corresponding week of previous year ...	260	143 3 1	673 0	45 1 2	1 2 11	189 7 2	.....	.....	.....
Total to corresponding date of previous year ...	*284,029	*1,50,617 7 9	8,92,749 0	†44,715 7 0	†1,440 1 3	2,05,773 0 0	30,647	14,464	45,111

* Add number of passengers 250½ and Rs. 197 6 3 } on account of supplemental return for 30th September 1889.
 † Ditto Mds. 3,310 and „ 74 5 0 }
 ‡ Ditto „ 579 3 0 }

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 16TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 15TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 16TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 15TH NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	10,836	189	57½	8,608	150	57½	*3,19,769	169	57½	†3,00,943	164	.....	9,896

* Added Rs. 851 on account of supplemental return for 30th Sept. 1889.
 † Added „ 2,215 ditto ditto for 30th June 1890.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 15th November 1890, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,244	3,781 4 0	11,743 10	487 5 0	6 4 0	4,224 13 0	903	65	968
Or per mile of railway ...	.....	167 11 2	.....	21 14 5	0 4 6	189 14 1	.....	.....	.....
For previous 19 weeks of half-year ...	308,868	75,464 6 0	1,21,376 0	4,851 7 0	100 10 0	80,416 7 0	17,168	894	18,062
Total for 20 weeks ...	324,112	79,195 10 0	1,33,399 10	5,338 12 0	106 14 0	84,641 4 0	18,071	959	19,030
COMPARISON.									
Total for corresponding week of previous year ...	17,668	4,433 12 6	9,786 20	356 5 0	12 3 0	4,802 9 6	808	70	878
Per mile of railway corresponding week of previous year ...	.....	199 4 4	.....	16 0 3	0 9 0	215 13 7	.....	.....	.....
Total to corresponding date of previous year ...	359,237	87,696 7 6	*1,90,380 30	*5,131 13 0	†120 15 9	92,949 4 3	18,372	1,399	19,771

* Added Mds. 5,714-30 and Rs. 52 8 0 } on account of supplemental return for 30th September 1889.
 † Ditto „ 0 4 0 }

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 16TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 15TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 16TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 15TH NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	4,803	216	22½	4,225	190	22½	*1,75,537	230	22½	†1,69,691	231	.....	5,896

* Added Rs. 53 on account of supplemental return for 30th September 1889.
 † Ditto „ 201 ditto ditto for 30th June 1890.

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., Dacca, K.-D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 8th November 1890, on 763 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	162,809	75,810 0 0	7,25,334 0	1,93,590 0 0	19,070 0 0	2,88,470 0 0	22,000	37,352	59,352
Or per mile of railway ...	215	99 0 0	951 0	254 0 0	25 0 0	338 0 0	.....	.....	.....
For previous 18 weeks of half-year ...	2,459,764	10,67,864 0 0	1,05,09,637 0	26,46,585 0 0	2,84,366 0 0	*39,98,315 0 0	388,499	593,077	981,576
Total for 19 weeks	2,622,573	11,43,174 0 0	1,12,35,021 0	28,40,175 0 0	3,03,436 0 0	42,86,786 0 0	410,499	630,429	1,040,928
COMPARISON.									
Total for corresponding week of previous year ...	a 228,258	99,441 0 0	5,87,801 0	1,61,935 0 0	25,043 0 0	2,86,419 0 0	22,306	36,244	59,153
Per mile of railway corresponding period of previous year ...	305	133 0 0	787 0	217 0 0	33 0 0	339 0 0	.....	.....	.....
Total to corresponding date of previous year ...	2,716,382	12,04,102 0 0	1,18,66,138 0	29,07,176 0 0	3,28,736 0 0	44,40,914 0 0	429,177	693,576	1,033,653

* Audited up to week ending 20th September 1890.

† Excluding steamer earnings.

a Due to Rashi Jatra.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 5TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 5TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 5TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 5TH NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
747	2,86,419	383	763	2,88,470	378	714	65,75,456	288	759	*66,69,443	274	93,987	.....

* Audited up to week ending 20th September 1890.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 8th November 1890, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	28,386	9,440 0 0	47,395 0	4,050 0 0	120 0 0	13,610 0 0	3,660	1,992	5,652
Or per mile of railway ...	227	76 0 0	378 0	32 0 0	1 0 0	109 0 0	.....	.....	.....
For previous 18 weeks of half-year ...	448,612	1,43,674 0 0	7,35,566 0	61,033 0 0	2,718 0 0	*2,07,427 0 0	64,299	36,875	101,174
Total for 19 weeks	476,998	1,53,114 0 0	7,82,872 0	65,083 0 0	2,838 0 0	2,21,037 0 0	67,939	38,868	106,807
COMPARISON.									
Total for corresponding week of previous year ...	a 46,699	14,756 0 0	55,865 0	4,232 0 0	138 0 0	19,116 0 0	3,587	2,085	5,672
Per mile of railway corresponding period of previous year ...	374	118 0 0	447 0	34 0 0	1 0 0	153 0 0	.....	.....	.....
Total to corresponding date of previous year ...	527,107	1,78,392 0 0	11,54,737 0	1,08,892 0 0	3,291 0 0	2,90,485 0 0	67,182	47,018	114,200

* Audited up to week ending 20th September 1890.

a Due to Rashi Jatra.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 9TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 8TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 9TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 8TH NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
185	19,116	153	125	13,610	109	125	4,70,332	117	125	*3,86,546	97	.....	83,786

* Audited up to week ending 20th September 1890.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 8th November 1890, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,510	5,980 0 0	43,775 0	4,930 0 0	140 0 0	11,050 0 0	2,410	694	3,104
Or per mile of railway ...	180	69 0 0	509 0	57 0 0	2 0 0	128 0 0	.....	.....	.....
For previous 18 weeks of half-year ...	267,101	85,922 0 0	3,17,221 0	28,306 0 0	4,694 0 0	*1,18,922 0 0	42,781	12,763	55,544
Total for 19 weeks ...	282,611	91,902 0 0	3,60,996 0	33,236 0 0	4,834 0 0	1,29,972 0 0	45,191	13,457	58,648
COMPARISON.									
Total for corresponding week of previous year ...	19,069	6,572 0 0	28,870 0	3,252 0 0	233 0 0	10,057 0 0	2,258	1,517	3,775
Per mile of railway corresponding period of previous year ...	221	76 0 0	336 0	38 0 0	3 0 0	117 0 0	.....	.....	.....
Total to corresponding date of previous year ...	284,373	91,316 0 0	4,32,300 0	35,068 0 0	5,996 0 0	1,30,380 0 0	47,921	17,270	64,491

* Audited up to week ending 20th September 1890.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 8TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 8TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 9TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 8TH NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	10,057	117	86	11,050	128	86	2,04,650	74	86	*2,11,833	77	7,174	.....

* Audited up to week ending 20th September 1890.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 8th November 1890, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week ...	2,859	1,039	6,687	330	10	1,370	500	250	750
Or per mile of railway ...	105	38	245	12	.....	50	.....	.....	.....
For previous 18 weeks of half-year ...	62,304	18,568	1,01,884	10,425	272	*29,265	9,752	6,054	15,806
Total for 19 weeks ...	65,263	19,598	1,08,571	10,755	282	30,635	10,252	6,304	16,556
COMPARISON.									
Total for corresponding week of previous year ...	3,605	1,307	3,837	266	15	1,588	586	177	763
Per mile of railway corresponding period of previous year ...	132	48	141	10	.....	58	.....	.....	.....
Total to corresponding date of previous year ...	59,163	21,839	1,50,705	10,343	1,402	33,284	10,984	6,687	17,671

* Audited up to week ending 20th September 1890.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 9TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 8TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 9TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 8TH NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,588	58	27½	1,370	0	27½	58,803	67	27½	*50,637	65	.....	2,226

* Audited up to week ending 20th September 1890.

BENGAL AND NORTH-WESTERN AND TIRHOOT RAILWAYS.

COMBINED SYSTEM.

Approximate Return of Traffic for week ended 8th November 1890, on 691 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week (on 691 miles open)	76,940	32,210	3,72,310	52,750	8,800	93,760	13,000	15,432	28,432
Or per mile of railway	111'35	46'61	538'79	76'34	12'74	135'69	.....	.....	.....
For previous 17 weeks of half-year	1,288,016	4,99,829	44,88,874	5,57,290	1,18,187	11,75,306	215,962	204,575	420,537
Total for 18 weeks	1,364,956	5,32,039	48,61,184	6,10,040	*1,26,987	12,69,066	228,962	220,007	448,969
COMPARISON.									
Audited figures.									
Total for corresponding week of previous year, 649 miles open ...	2,03,753	85,785	2,37,459	25,204	7,773	1,18,763	17,452	13,241	30,693
Per mile of corresponding week of previous year	313'95	132'18	365'88	38'83	11'98	182'99	.....	.....	.....
Total to corresponding date of previous year	1,495,181	5,62,041	48,99,634	5,60,632	1,46,767	12,69,440	214,582	236,965	451,547

* Steam-boat earnings for the week, Rs. 7,150.
Ditto ditto to date, " 97,140.

* Ajodhya bridge earnings for the week, Rs. 410.
Ditto ditto to date, " 5,060.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal and North-Western and Tirhoot Railways.

RECEIPTS FOR WEEK ENDING 8TH NOVEMBER 1890.			RECEIPTS FOR WEEK ENDING 9TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 8TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 9TH NOVEMBER 1889.			Total increase in 1890-91.	Total decrease in 1890-91.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
691	93,760	135'69	649	1,18,762	182'99	674	25,92,746	121'30	640	25,85,693	125'03	7,653	.....

N.B.—Earnings of B. and N.-W. Section.

Week ended 8-11-90.

Week ended 9-11-89.

Earnings of Tirhoot Section.

Week ended 8-11-90.

Week ended 9-11-89.

	Rs.	Rs.	Rs.	Rs.
Coaching	15,920	43,116	16,290	42,669
Goods	17,490	8,297	33,260	16,907
Other earnings	5,300	5,571	3,500	2,202
Total	38,710	56,984	53,050	61,778

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Rs.

Approximate earnings for week ending 25th October 1890	...	...	11,013
Corresponding period of 1889	...	...	11,953
Decrease	...	...	940
Receipts per mile for week ending 25th October 1890	...	...	Rs. A. P. 215 15 1
Corresponding period of 1889	...	...	234 6 3
Decrease	...	...	18 7 2

Receipts from 1st July to 25th October 1890	...	...	1,68,490
Corresponding period of 1889	...	...	1,90,737
Decrease	...	...	22,257

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Rs.

Approximate earnings for week ending 1st November 1890	...	...	11,881
Corresponding period of 1889	...	...	12,278
Decrease	...	...	397
Receipts per mile for week ending 1st November 1890	...	...	Rs. A. P. 232 15 4
Corresponding period of 1889	...	...	240 12 1
Decrease	...	...	7 12 9
Receipts from 1st July to 1st November 1890	...	...	1,89,361
Corresponding period of 1889	...	...	2,03,015
Decrease	...	...	13,654

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

						Rs.
Approximate earnings for week ending 8th November 1890	...	...	...	...	...	11,403
Corresponding period of 1889	...	...	...	...	...	11,853
Decrease	...	...	...	...	...	450
						Rs. A. P.
Receipts per mile for week ending 8th November 1890	...	...	...	...	...	223 9 5
Corresponding period of 1889	...	...	...	...	...	232 6 9
Decrease	...	...	...	...	...	8 13 4
Receipts from 1st July to 8th November 1890	...	...	...	...	...	2,00,704
Corresponding period of 1889	...	...	...	...	...	2,14,869
Decrease	...	...	...	...	...	14,165



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, DECEMBER 3, 1890.

OFFICIAL PAPERS.

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OFFER OF RANI MANOMOHINI DEBI OF PUTIYA, IN RAJSHAHYE, TO CONSTRUCT WELLS TO IMPROVE THE SUPPLY OF WATER FOR DRINKING AND BATHING PURPOSES IN THE DISTRICT.

REVENUE DEPARTMENT—LAND REVENUE.

Calcutta, the 29th November, 1890.

RESOLUTION.

READ—

A memorandum from the Commissioner of Rajshahye, No. 135P.W., dated the 27th August, 1890; also No. 94P.W.Ct., dated the 7th November, 1890.

RANI MANOMOHINI DEBI of Putiya, in the district of Rajshahye, having offered to construct a number of wells, at an estimated expenditure of Rs. 10,000 to Rs. 12,000 per annum for four or five years, with a view to improving the supply of water for drinking and bathing purposes throughout the district, the Lieutenant-Governor is pleased to accept this offer, and tenders his thanks to the Rani for her public spirit and liberality.

ORDER.—Ordered that a copy of the Resolution be forwarded to the Commissioner of Rajshahye for information and for communication to the Rani.

Ordered also that a copy of this Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Government of Bengal.

RESOLUTION REVIEWING THE REPORTS ON THE WORKING OF DISTRICT BOARDS DURING THE YEAR 1889-90.

MUNICIPAL DEPARTMENT—LOCAL SELF-GOVERNMENT.

Calcutta, the 25th November, 1890.

RESOLUTION.

READ—

The reports from the several Commissioners of Divisions on the working of District Boards during the year 1889-90.

Read again—

The Resolution on the working of District Boards in Bengal during the year 1888-89.

The present reports, which are prepared in accordance with the instructions issued in Government Circular No. 21, dated the 1st November 1889, furnish full information on the working of District Boards during the past year, and under separate orders copies have been liberally supplied to those whom they concern. They are a great improvement on the reports submitted in previous years, and in particular the report of Mr. Toynbee, the Officiating Commissioner of Burdwan, deserves commendation. The statistics which accompany them are given in forms recently prescribed by the Government of India, which were only circulated in July last, and it is largely due to the late arrival of these forms, and the difficulty of substituting them in so short a time for those already in use, that delay has occurred in the submission of the reports.

2. Form I appended to this Resolution contains particulars regarding the constitution of the District and Local Boards in

Constitution of Boards.

Bengal, the number of meetings held by the Boards, and the average attendance at meetings. There were during the year 38 District Boards and 106 Local Boards; the area comprised within their jurisdiction was 109,391 square miles, and the total population, according to the census of 1881, was 57,185,307.

3. The total number of members of District Boards, including the Chairmen, was 797, of whom 460 were appointed by Government and 337 were elected. Of the total number of members, 243 were officials and 554 non-officials. The number of Europeans or Eurasians and natives of India respectively was 186 and 611. The average number of members of each District Board was 20.97. It was suggested, in paragraph 7 of the Resolution on the working of District Boards for 1888-89, that the number of members of the District Boards of Bhagulpore, Midnapore, Rungpore, and Sarun might be reduced, and the number of members of the Bhagulpore and Midnapore District Boards now consists of 30 and 24, while a proposal to reduce the number of members of the Rungpore District Board to 26 is under consideration. As in the previous year, the Magistrate of the District was in every instance re-appointed Chairman of the District Board on the expiry of his term of office, under section 24 of the Bengal Local Self-Government Act.

4. The total number of members of Local Boards was 1,203, of whom 768 were nominated by Government and 435 were elected. The elective system is in force in 58 Local Boards. Of the total number of members of Local Boards, 163 were officials and 1,040 non-officials. The number of Europeans or Eurasians and natives of India on the Boards was 97 and 1,106 respectively. The average number of members of each Local Board was 11.35. Midnapore (36) and Arrah (30) head the list in point of numbers, but it has been decided to reduce the numerical strength of these Boards on the expiry of the term of office of the existing incumbents.

5. The statements do not in all cases furnish the 'professional occupation of the members of Boards. This is, however, a very important point, and instructions will separately issue calling for information under this head in future years as well for District and Local Boards as for Municipal Committees. It was found, on occasion of the first elections in 1887,

that the proportion of zemindars elected to the District Boards was about 30 per cent., of pleaders 26·4 per cent., and of Government servants 17·7 per cent., and it is not likely that the proportion has materially changed. Generally speaking the members of District and Local Boards consist of zemindars and talookdars, pleaders and Government servants, with a somewhat larger proportion of medical practitioners and mooktears in the case of Local Boards, and in districts where they are to be found, indigo and tea planters, railway employes and managers of European firms always enjoy a fair share of representation.

6. The year under report witnessed the second general election of members of District and Local Boards which had completed their three years' term of existence, and the elections were on the whole successfully conducted. The following are the remarks recorded by the Divisional Commissioners on the subject.

The Commissioner of Burdwan writes:—

"The second general elections took place during the year under report and new Boards were formed before its close in every district except Midnapore, where the number of members was reduced and the issue of the necessary revised Government notifications took up much time. The elections were, as a rule, successfully conducted, and, with a very few exceptions, fairly suitable and representative members were elected. The pleader element was, perhaps, considering the amount of landed property they possess, disproportionately successful. The educated classes took considerable interest in the elections, but in no case was any general public interest or enthusiasm evoked.

"The elections only failed in one thannah of Burdwan, three of Hooghly, and in one of Beerbhoom. The failures were due in one case to the absence of voters, and in the three others to the absence of timely nominations * * * * *

"The inhabitants of thannahs remote from the head-quarters of districts appear to take more interest in the election of representatives than the urban and semi-urban population."

The Commissioner of the Presidency Division writes:—

"The second general elections took place during the year under report, and new Local Boards were formed in every district before the close of the year. The new District Boards, however, were not constituted till after the close of the year. The elections were on the whole successfully conducted, and, with a few exceptions, fairly suitable and representative members were elected.

"In Jessore and Khulna there was no failure of election in any of the thannahs. In the 24-Pergunnahs there were no elections held in thannah Canning (Sudder) or Harwa (Bussirhat), and out of two and four members for election in thannahs Hasnabad and Dum-Dum respectively, only one was elected for each thannah. In Nuddea the elections failed in thannah Chapra in the Sudder, as 10 per cent. of the registered voters were not present, and in thannahs Gangni and Tehatta in the Meherpore sub-division, as the electors failed to nominate candidates under Rules 28 and 29. In Moorshedabad there were no elections in thannahs Sujagunge, Gorabazar, Doulatabad, Nowada, and Barna in the Sudder sub-division, Sagar-dighi, Assanpore, Manullabazar, and Shahnagar in the Lalbag sub-division, and Kandi and Khurgram in the Kandi sub-division, in consequence of the omission of the electors to nominate candidates beforehand under Rule 29. All these vacancies were therefore filled up by appointment under section 10 of the Local Self-Government Act."

The Commissioner of Rajshahye states:—

"A general election of members for the Local Boards took place in Rajshahye in December and in Pubna in September last.

"The Magistrate of Rajshahye, who was present at thannahs Puttea, Charghat, Beaulah, and Godagari, states that at each of these places the voters displayed the greatest interest in the proceedings. A Deputy Magistrate was present at Bagmara, and he reports that the voters were animated by the greatest enthusiasm in securing the election of their candidates. The Sub-divisional Officer of Nowgong and the Sub-Deputy Collector of that place, who were present at the thannahs of Nowgong Local Board, state that the voters elected the members with shouts of acclamation and manifestation of the greatest delight.

"The Chairman of the Pubna District Board writes that the dates for the elections having fallen at a season when the flood was at its highest (and the floods of the year were higher than any within recent years), the attendance of the voters was not so large as it would have otherwise been.

"On the whole it appears that a very fair amount of interest was taken in the elections."

The Commissioner of Dacca remarks:—

"The second general election of the members of the several Local Boards in the districts of Dacca and Furreedpore was held in the latter part of September 1889.

"It is satisfactory to note that in no case did the elections fail owing to the non-attendance of a sufficient number of voters. In Dacca it is reported that the electors generally displayed considerable interest in the proceedings, and that in several thannahs the excitement was great and the elections were warmly contested. In Furreedpore the paucity of attendance at the

polling stations, specially in those of Bhanga, Baliakandi, Palong, and Kotalipara, is attributed to the unusually heavy floods of last year which prevented many voters from attending."

The Commissioner of Patna writes—

"The Patna District Board completed its three years' term in September 1889; and although arrangements for its reconstitution were commenced early, the new Board, which consists of 24 members, composed of the official and non-official Europeans and Natives in the same proportion as its predecessor, did not assemble till 10th March. The Local Board elections which were held in the Patna District were fairly successful. Out of 28, the total number of members to be elected, 23 were elected, leaving only 5 to be appointed by Government."

7. Taken together, the total number of meetings held by District Boards was 448, giving an average of 11·79 meetings for each Board. The greatest number of meetings was held in Dinagepore (18), Tipperah (18), Sarun (18), Burdwan (17), Gya (17), Furreedpore (16), and Durbhunga (16), while the least number was held in Hooghly (8), Mymensingh (8), Mozufferpore (8), Chumparun (8), Nuddea (7), Moorshedabad (7), Julpigoree (7), and Jessore (6). Except in the case of Hooghly and Mymensingh, no reason is assigned for the small number of meetings. In regard to Hooghly it is said that, "on the introduction of local self-government three years ago, the members had to meet oftener to consider many important questions of principle which presented themselves for solution, but that matters have since settled into a groove and that fewer meetings had therefore to be called during the year under report than during the two preceding years." In Mymensingh it is stated that "the attention of the Chairman and the other members was devoted more to the execution of the heavy amount of real work done during the year than to taking part in the discussions in the meetings." The Lieutenant-Governor cannot accept either of these reasons as satisfactory, and invites attention to the following remarks recorded by the Commissioner of Burdwan, which are entirely in accordance with the views of Government on this subject:—

"It is difficult to believe that all the business of the various departments now under the control of the District and Local Boards can be transacted in less than 12 meetings during the year. Much of the routine work is no doubt done by the Chairman and Vice-Chairman by the express or implied consent of the Boards; much, too, depends on the individuality of these two officers. But, all things considered, one meeting every month ought to be the minimum number consistently with an intelligent interest in their work on the part of the members. There is, I fear, considerable general truth in the remark made by the Chairman of the Ranee-gunge Local Board to the effect that, unless matters come before the Board in which the members are directly and personally interested, it is hopeless to expect them to attend regularly. A self-denying public spirit is one of the elements requisite to make local self-government a success in this country."

8. The average attendance at meetings of District Boards was 8·98, the average percentage of attendance being 42·82. The attendance was best in Howrah and Tipperah, amounting to 65 and 62·7 respectively, and worst in Cuttack, where it was only 19·8. In the last-named district six meetings were adjourned for want of a quorum out of 12 convened.

9. The total number of meetings held by all the Local Boards was 788, the average for each being 7·43. Only 8 of the Local Boards held more than 12 meetings, the highest number attained being 15 in Bhubooah. Six of the Boards held 12 meetings, and the rest less than 12 meetings. The Howrah Local Board held only two meetings, while the Local Boards of Beaulah, Nowgong, and Nattore met only once during the year. For all practical purposes, therefore, these Boards did not exist. The average attendance at meetings of Local Boards was 5·69, and the average percentage of attendance was 50·13.

10. In most districts Local Boards have been entrusted with the administration of the grants for village roads, pounds, ferries, and primary education. In some instances powers relating to water-supply, the grant of rewards for the destruction of noxious animals, and the management and supervision of grant-in-aid and Boards' middle English schools have also been delegated to them.

11. No Union Committees have yet been appointed, but a scheme for their gradual establishment has been submitted to the Government of India, and is still under consideration.

12. The following statement, which is abstracted from Forms II and III appended to this Resolution, shows the principal items of income and expenditure of District Boards during the year under review :—

INCOME.		Rs.	EXPENDITURE.		Rs.
I.	Land Revenue	15,945	1.	Refunds	13,601
VI.	Provincial rates	34,32,574	18.	Administration	2,58,533
XII.	Interest	609	20.	Pounds	23,589
XVII.	Pounds	3,94,594	22.	Education	10,04,140
XIX.	Education	30,561	24.	Medical	42,546
XX.	Medical	7,625	26.	Scientific and other minor departments	5,219
XXI.	Scientific and other minor departments	1,648	29.	Superannuation allowances and pensions	1,209
XXV.	Miscellaneous	1,39,874	30.	Stationery and printing	48,057
XXXII.	Ferries, &c.	3,28,314	32.	Miscellaneous	43,365
	Contributions	11,02,398	33.	Famine relief	2,59,967
	Debt	8,19,261	43.	Minor works and navigation	4,373
	Total	62,73,403	46.	Civil works	38,42,381
				Debt	6,25,260
				Total	61,72,240

The names of the above headings are taken from the forms prescribed by the Government of India which are appended to this Resolution, with the exception that the words "Pounds" and "Ferries" are substituted for "Police" and "Civil Works" under Income, and the word "Pounds" for "Police" on the Expenditure side of the accounts. These changes have been made because it should be clearly understood that the Police have no concern with, and have no responsibility for, the administration of pounds, which are entirely under District Boards; while the heading "Civil Works" would be misleading when the item concerned almost exclusively relates to ferry receipts. It should be explained also that though the name of the heading "Provincial Rates" has not been altered, the income shown under this head is derived from a "local rate" or cess which is entirely appropriated and spent within the district where it is realised, and that the Road cess is not a provincial rate in the sense in which the Public Works Cess, which is a provincial asset, may be properly so described.

13. The year 1888-89 closed with a credit balance of Rs. 18,28,843 (corrected figures): at the close of the year 1889-90 this balance was increased to Rs. 19,30,006.

Credit balances.

14. Of the total income under this head Rs. 9,365 represent canal tolls realized in Chittagong and the balance sale proceeds of trees, grass, &c. Compared with the previous year, the Chittagong canal revenue shows a falling off to the extent of Rs. 2,213.

INCOME.

Land Revenue.

15. The entire amount, Rs. 34,32,574, under this head represents the balance of the receipts of the District Road Cess which is credited to District Boards after deducting the cost of collection and revaluation. Compared with the previous year, there was an increase of Rs. 78,704 in the income derived from this source, and this item may be expected to increase slowly but surely in consequence of the revaluations which from time to time are effected in all districts. The largest increase during the past year was in Burdwan and Gya, from Rs. 1,02,826 and Rs. 1,76,014 in 1888-89 to Rs. 1,36,865 and Rs. 1,97,198 respectively.

Provincial rates.

16. The total receipts from pounds under the Cattle Trespass Act, amounting to Rs. 3,94,594 only, show a net decrease of Rs. 37,321 as compared with the collections of 1888-89, and a decrease of Rs. 25,559 as compared with the estimate (Rs. 4,20,153) on which the Provincial adjustments with District Boards were based. The decrease is, however, more apparent than real, and is mainly due to a change in the system of accounts. Under recent orders of Government, the security advances, amounting to one quarter's demand, taken from the pound farmers at the time of settlement in March 1890, were credited to the suspense head of

Pounds.

accounts, "Deposits," pending adjustment by transfer from "Deposits" to "Pound rents," whereas in previous years such advances were directly credited to "Pound rents."

It is useless therefore to institute any comparison between the realizations during the past and previous years. The estimate for the current year amounts to Rs. 4,42,441, and there seems no reason to suppose that there is any real falling off in pound receipts. In reply to the observation which was made in last year's Resolution that "if Boards are careful to see that security advances are properly taken, and farmers are not permitted to hold on when default occurs, there should be no arrears," it is pointed out by more than one District Board that some farmers, after retaining their pounds during the profitable months of the year, purposely default when the season is over, and that as they have made their profit they are willing to forfeit their security, and that therefore great difficulty is found in settling the pounds for the remainder of the year. This is no doubt a real difficulty, but a remedy appears to lie in the suggestion which is put forward by the Commissioner of the Presidency Division that the payment of pound rents should be fixed not in equal instalments, but according to the different seasons at which crops are liable to damage from cattle trespass. There is a difficulty also in arranging for the proper inspection of pounds. The practice of placing them under the inspection of Educational officers has been definitely forbidden by Government as tending to interfere with the proper inspection of schools. It is observed that in the Shahabad district the District Board have, with the sanction of the Magistrate, introduced a system of inspection of pounds by the Sub-Inspectors of Police. This is no doubt an important duty of the police, who are bound, under the rules in force, to inspect pounds, to see that food and water are properly supplied, to check the accounts and especially to use their utmost endeavours to prevent the dangers of extortion and fraudulent pounding of cattle. But this function is exercised by the police under the orders of the District Superintendent and Magistrate. The police are entirely independent of, and do not act under the authority of, local bodies. What is needed in the interest of District Boards is the systematic inspection of pounds by some responsible officer on their own behalf. It has lately been observed by the Lieutenant-Governor in this connection that such an inspection ought easily to be arranged without additional expense, and that it should result in an expansion of revenue, "for by an examination of the counterfoils, the inspecting officer could readily ascertain from what distance cattle are usually brought to the pounds, and consequently what room there is for the establishment of new pounds, and he could probably also form a shrewd guess whether the rent realized for the pound was a fair one or not." The management of pounds, in regard to which local bodies have now been vested with ample powers, is a good test of the efficiency of the executive administration of District Boards, and it is therefore specially commended by the Lieutenant-Governor to their attention.

17. The receipts under Education declined from Rs. 33,996 in 1888-89 to Rs. 30,561 in the year under review. The falling off was chiefly in the districts of Chittagong and Monghyr. In Chittagong the figures show a refund of Rs. 230 on account of excess credits in the preceding year. Taking each item of the receipts separately, there was an increase of Rs. 1,610 in "School fees" and of Rs. 327 in "Contributions," and a decrease of Rs. 5,204 under the head of "Miscellaneous."

Medical.

18. The total income under this head fell from Rs. 10,875 in 1888-89 to Rs. 7,625 in 1889-90.

19. Of the several items which constitute the income under "Civil works," ferry receipts, amounting to Rs. 2,84,164, alone call for notice. Compared with the previous year, there

Ferries.

was a falling off of Rs. 1,29,706, but the decrease, like that in the case of pounds, is more fictitious than real. In Nuddea there is a nominal decrease from Rs. 10,834 to Rs. 2,460 in consequence of several ferries having been transferred from the Boards' management to Government. In Bogra there is a decrease from Rs. 9,370 to Rs. 1,410, due principally to the erroneous credit in the previous year of the receipts from Government ferries. A similar reason explains the decrease in Chittagong from Rs. 22,069 to Rs. 10,551, in Patna

from Rs. 21,347 to Rs. 14,154, and in Maldah from Rs. 26,121 to Rs. 963. In Shahabad the receipts decreased from Rs. 15,319 to Rs. 3,929; but as Rs. 19,994 were refunded to Government on account of erroneous credit, a loss of Rs. 16,065 is shown under this head, and is due to a great extent to a change in the system in accounts under which advances which were formerly credited direct are now kept under the head of "Deposits." The amount refunded to Government should properly have been shown under the head of "Refunds." In Mozufferpore there is a decrease of Rs. 6,905 as compared with the preceding year, and also a decrease of Rs. 3,802 as compared with the budget estimate. The first-named decrease is due to the rent for the year 1887-88 originally collected by the Magistrate being transferred to the District Fund in 1888-89, which thus unduly swelled the receipts for that year. The falling off from the estimates is attributed to the "bad state of the ferries made over to the District Board and to short collection of rent owing to the falling off of the grain traffic consequent on the failure of the rice crop in the district during the year 1888-89." The marked decrease in Sarun from Rs. 27,721 to Rs. 4,966 is due to adjustment of accounts. There was a large increase in ferry receipts for the previous year, 1888-89, owing to the orders transferring the ferry receipts not having been communicated until after the close of the year 1887-88. The figures therefore showed the receipts of two years in one. In addition to this, the earnest-money for 1889-90 was included in that year's receipts. Of the districts which show an increase, it is necessary only to explain that the considerable increase in Julpigoree, amounting to Rs. 6,884, is due to the fact that all the ferries in this district have now been transferred by Government to the District Board.

Generally speaking, the Lieutenant-Governor considers that the management of ferries by District Boards has not been unsatisfactory. It is impossible to contend against adverse circumstances such as occurred in Bhagulpore, for instance, where the ferry receipts have fallen off, "owing to the extension of the Tirhoot State Railway much of the traffic to and from North Bhagulpore, formerly carried by the district ferries, being now conveyed across the Ganges by the railway steamers." But in all districts where the approaches to the ferries are kept in good order, and the boats employed in the conveyance of passengers and goods are well looked after, it may be expected that facilities for travelling will be improved, and a gradual increase in income be obtained. When grants were made to District Boards to establish equilibrium between receipts and charges, ferry receipts, amounting to Rs. 2,96,076 per annum, were made over by Government to the Boards; and although no proper comparison can be instituted between this amount and the actual receipts of the past year, there seems no reason to doubt that there has upon the whole been a perceptible improvement in income. The estimate of local officers for the current year amounts to Rs. 3,55,000.

20. The total amount contributed from Provincial funds to District Boards during the year was Rs. 10,98,148, or Rs. 4,37,799 in excess of the previous year, a result which is chiefly due to late adjustments, the Government grants in many cases for two years, and in some instances for three years, having been drawn by the Boards in the year under report. Special orders have lately been passed to avoid the recurrence of such confusion, and the Accountant-General has been instructed to take action on his own authority to place the fixed annual grants at the disposal of each District Board at the beginning of the financial year. The fixed annual grant made by Government to establish equilibrium between the receipts and charges transferred to the management of District Boards, including charges for stationery and forms, but excluding all other special grants, amounts to Rs. 4,14,915. In addition to this a contract grant was made to District Boards, amounting in the past year to Rs. 2,22,924, for the maintenance of Provincial roads, which, under section 74 of the Act, have been transferred to their charge, and grants of Rs. 1,36,728 and Rs. 37,108 respectively were made to the District Boards of Durbhunga and Mozufferpore for expenditure on relief works.

21. The entire amount under this head represents "Deposits and advances." Deposits are sums paid by farmers of pounds and ferries as security for payment of revenue, while advances are sums advanced by the Boards for the execution of works, which

are recovered by adjustment of accounts as the works proceed. In some instances security deposits have been taken from contractors for public works the estimated cost of which was less than Rs. 2,000. Compared with the previous year, there was an increase of Rs. 3,80,539 under both Deposits and Advances. This is chiefly due to the security deposits taken from the farmers of pounds and ferries being credited under this head for the year under report, whereas they were in the previous year credited as pound and ferry collections.

22. The cost of general administration has increased from Rs. 2,46,732 in 1888-89 to Rs. 2,58,533 in the year under report.

Administration.

Various reasons have been assigned for the increase, but the chief causes appear to be the transfer of the charges on account of the travelling allowance of members of District Boards from "Miscellaneous" to "Administration" and the increase in the percentage cost of audit and treasury establishments. Considerable sums were also expended during the year in the purchase of furniture for offices of District Boards.

23. With the sanction of the Government of India, rules have been laid

Pensions of Local Fund employes.

down declaring the general principles regulating the grant of pensions to employes under local bodies. District Boards are required to pay contribution to pension in case of all pensionable Government officers transferred to their service, and liability for payment of these pensions will then be borne by Government. Special rules have been made applicable to cess establishments entertained by Collectors and sanctioned by the Board of Revenue. It is left for the Boards to make rules which must be sanctioned by the Lieutenant-Governor under section 35 of the Act for employes whose whole service has been under them, and draft model rules have been circulated by Government for the convenience and guidance of Boards in such cases. The Lieutenant-Governor is glad to learn that the promulgation of these rules, which have been long under consideration, has been gratefully acknowledged by the employes on Boards' establishments.

24. The charges on account of cattle-pounds show an increase of Rs. 4,906,

Pounds.

which is attributed to the change in the system of accounts, the pay of pound clerks being now charged to "Police" or "Pounds" instead of to "Administration" as in previous years.

25. Compared with the figures of the previous year, the total expenditure under "Education" shows a decrease of Rs. 26,669.

Education.

Of the total amount expended, Rs. 1,93,847 represent the cost of inspection, Rs. 2,130. Rs. 72,470, and Rs. 4,06,214 the expenditure on training and special schools, middle schools, and primary schools, respectively, Rs. 2,69,117 the amount of grants-in-aid, Rs. 704 scholarships, and Rs. 59,658 miscellaneous charges. The reports furnished by the Commissioners do not all contain the same information. It is impossible, therefore, to show the statistics regarding schools and scholars in a tabular form. The Lieutenant-Governor, however, notices with satisfaction that the number of primary schools and the expenditure generally on primary education increased during the year. In some districts, notably Midnapore, Howrah, the 24-Pergunnahs, and Moorshedabad, there was a falling off owing to scarcity and floods, but this was more than counterbalanced by the increase in other districts. The number of middle schools slightly declined owing in a great measure to the withdrawal of the grants which had been improperly made in some cases from the allotment for primary education.

26. The Lieutenant-Governor considers it desirable to reproduce in this Resolution the remarks he has already recorded on the educational administration of District Boards when reviewing the annual report of the Director of Public Instruction for the year as follows:—

The educational functions delegated to the District Boards constituted under Act III District Boards as controlling (B.C.) of 1885 include the management of Government agencies. primary and middle schools, the distribution of the grant-in-aid allotment for middle schools under private management, the administration of the primary grant, the conduct of the annual examinations of primary schools for rewards, and the award of lower primary scholarships. The Boards are also authorized to establish and maintain, with the sanction of Government, schools of technical instruction, and some have already taken up this question with interest and energy. The Technical Institute, for example, established by the District Board of Rungpore, has attained considerable success. With the object of defining more clearly the functions of the Boards and their relations to the officers

of the Department, revised educational rules under the Act were under consideration and public criticism during 1889-80, and finally promulgated by Government on the 18th April last. Experience has already shown the new rules to be greatly superior to the old. They give somewhat larger powers to the District Boards than they had previously enjoyed, while any departure from the existing system, in regard to the administration of funds or the control of schools, is made conditional on the sanction of Government. The power of the Inspector and his position as a controlling officer are more clearly defined. In accordance with the views of Government, Deputy Inspectors of Schools have in nearly every district been appointed ex-officio members, not only of the District Boards, but also of the Education Committees to which these bodies have generally delegated their ordinary executive duties. The advantages of this plan are already apparent, co-operation and efficiency having often taken the place of friction and mismanagement. The Lieutenant-Governor has again the pleasure of observing that the relations between the Boards and the Deputy Inspectors in the majority of districts are eminently satisfactory. Government must look to the good offices of the authorities in the Burdwan and Orissa Divisions, in which differences have arisen, to put things straight as soon as possible. On the other hand, there are indications that in some places the education work of the District Boards has been allowed to lapse too much into the hands of the Chairman or Vice-Chairman in his executive capacity. While the Lieutenant-Governor allows that there is some force in the excuse that it is ordinarily not easy to arouse any enthusiasm for educational work, except on such occasions as present opportunities for the exercise of patronage, he desires that the District Boards, through their Education Committees, may be fully consulted in all matters of principle and importance, and that their functions may not be over-riden by the executive officers. The Director has, in a very proper spirit, as a friendly critic, drawn attention to some shortcomings in the work of certain District Boards. It is through no fault on their part that their educational operations have in some cases been hampered for want of funds, the income from ferries and pounds not having kept pace with their educational requirements. But they must be held responsible for such matters as great delay in the despatch of business, especially in disposing of reward bills and in making up examination results, irregularities in the method of accounting for public money, misapplication of the primary grant, or failure to spend fully the allotments for primary education. These are matters which the District Boards are quite capable of correcting for themselves. It is not a matter for surprise that their control and management of middle schools of various classes is less efficient than when the work was performed by high officers of the Education Department. Sir Alfred Croft rightly observes that this decline in efficiency is part of the necessary price paid for Local Self-Government. The policy of entrusting District Boards with certain educational work, in which the Department has given them its steady support, has been deliberately adopted for reasons which have often been stated, and improvement can only be obtained by perseverance. The transfer of large educational powers to Local, as distinguished from District, Boards appears to have been prematurely attempted in some places.

27. The following information regarding special schools is furnished.

Special schools.

In Hooghly there are 56 Sanskrit toles with 268 students. In Bankoora mention is made of six advanced Arabic or Persian schools with 102 and of 33 Sanskrit toles with 331 pupils. In Rungpore the Bayley Technical School is maintained by the District Board. In Backergunge it is in contemplation to start a technical school for teaching carpentry, &c., at the head-quarters of the district. The Board have also voted two scholarships of Rs. 10 each, tenable in the Seebpore Engineering College. In Mymensing, one of the zemindars is said to have offered Rs. 10,000 for opening a technical school in addition to an annual contribution to be made for its maintenance by the District Board, and the matter is under consideration. The Tipperah Board has founded two scholarships of Rs. 15 each, tenable at the technical branch of the Seebpore Engineering College, and these have been awarded to two natives of the district now pursuing their studies in that college on their contracting to serve under the District Board after the completion of their college career. The Chairman further reports that an attempt is being made to establish an artizan school in Comillah under the auspices of the District Board. The Noakholly Board have offered a scholarship of Rs. 10 at the same college, tenable for five years, but apparently no applications have been made for it. It is satisfactory to see from these reports that District Boards have begun to recognise the desirability of encouraging technical education.

28. The question of providing means for the encouragement of female medical education continued to receive the attention

Female Medical Education.

of District Boards. The medical scholarship of Rs. 10 a month offered by the Midnapore District Board was awarded to Sarat Kumari Mitra, a female student of the Campbell Medical School at Calcutta, and she has drawn the stipend since April

1889. The Superintendent of the School speaks favourably of the progress made by her. In Burdwan a sum of Rs. 20 per mensem was set apart for a similar scholarship, and in Bankoora the Board sanctioned the award of a scholarship of Rs. 8 to any female candidate of that district who would be willing to prosecute her studies in any medical school or college, but it appears that no one came forward to take advantage of these offers. The District Board of the 24-Pergunnahs have sanctioned the grant of scholarships of Rs. 5 each a month for two years to two female students of the Campbell Medical School—Srimati Kiron Sasi Mukherjea and Srimati Susila Debi—with effect from the 1st February 1890. Funds were provided by almost all the District Boards in the Rajshahye Division, but no advantage was taken of the opportunities offered. In Rungpore only a scholarship of Rs. 15 per month has been awarded to one Srimati Kailas Bashini Dasi, a student of the Calcutta Female Medical School, who has agreed to practise in the district when qualified. The only district in the Dacca Division where stipends or scholarships were sanctioned by the District Board is Backergunge, where two girls of Brahmo parentage were awarded scholarships of Rs. 10 a month each, tenable in the Campbell Medical School. The District Board, Mymensingh, has, with a view to encourage female medical education, created five appointments of trained nurses under the five Local Boards with a monthly salary or retaining fee of Rs. 25 each. Both Chittagong and Tipperah report that attempts were made to get female students to go to Calcutta for medical education, but no one would come forward. The offer made by the Tipperah Board was for two scholarships of Rs. 15 each, tenable at the Sealdah Campbell Medical School. The Chairman of Tipperah reports that subscriptions are being collected to form an endowment for the establishment of a lady doctor in Comillah, and it is hoped, if this is successful, that it will induce female students to qualify for service in this special branch. In Gya a system of stipends and scholarships for a supply of female native doctors and of trained nurses has been organized during the year, consisting of a midwife, four paid female apprentices, and one mehterani. The monthly expenditure on account of pay of this staff amounts to Rs. 49. The total amount of expenditure incurred during the year, including pay, contingencies, and cost of furniture, &c., was Rs. 1,514-1-9. For the encouragement of female medical candidates who attend the Cuttack Medical School the Cuttack District Board has contributed Rs. 100, to be paid as scholarship to the most deserving female student.

The Lieutenant-Governor has perused this record of the measures adopted by District Boards with much satisfaction, and although the results are not as encouraging as might have been expected, he trusts that the Boards will continue to persevere in this good work, and that the time will come when the fullest advantage will be taken of the opportunities offered to female medical students.

29. The total medical expenditure amounts to Rs. 42,546, and shows an increase of Rs. 16,771 compared with the previous year. The outlay on hospitals and dispensaries amounts to Rs. 30,430, and on sanitation to Rs. 8,756 only.

The following statement shows the number of dispensaries maintained by the District Boards and the expenditure incurred during the year:—

District Boards.	Names of dispensaries.	Cost of maintenance.	REMARKS.
		Rs.	
Burdwan	Mankar	472	Government gave a grant of Rs. 150 as half the pay of the Civil Hospital Assistant in charge. The Board also realised Rs. 206 as private subscriptions.
Hooghly	Bundipore	390	For nine months only. The Board severed its connection with the dispensary on 1st January 1890.
Jessore	Jhenidah	933	
	Magurah		
Khoolna	Bagirhat	542	
Dinapore	Thakurgaon	751	
	Dupehancha	480	
Bogra	Burigunge	474	
	Joypore	450	

District Boards.	Names of dispensaries.	Cost of maintenance.	REMARKS.
		Rs.	
Tipperah	Chandpore	830	Includes the cost of repairing dispensary buildings and cost of vaccination.
	Jehanabad	616	
Gya	Aurangabad	1,044	
	Nowadah	536	
	Arwal	Established in 1889-90, but no expenditure incurred during the year.
Sarun	Mushruk	796	These figures do not tally with those entered in the annual return.
	Digwarah	643	
	Maharajgunge	1,061	
	Darowli	1,078	
Bhagulpore	Banka	1,601	
	Mudehpura	670	
	Soopool	546	
	Protabgunge	780	
	Shahpur	303	
Purneah	Basantpur	471	
Pooree	Khoorda	610	
Balasore	Bhuddruck	2,208	

Besides the above expenditure, many of the District Boards contributed towards the support of medical institutions which were not under their direct management, and in some instances money was spent in affording medical relief during epidemics. The Burdwan District Board paid Rs. 600 to the support of the municipal dispensary in the town of Burdwan and the Bankoora Board Rs. 1,000 for the maintenance of the dispensary at Bankoora. The Beerbhoom District Board expended Rs. 1,471 in maintaining the Soory Charitable Dispensary for the first ten months, and half the net cost for the remaining two months of the year. This Board also contributed Rs. 360 to the Rampur Hât Dispensary. The Midnapore District Board gave a total sum of Rs. 942 in aid of nine dispensaries in that district. The Nuddea District Board gave Rs. 100 in aid of the Krishnagur Charitable Dispensary. The District Board of Rungpore gave a quarterly subsidy of Rs. 75 to each of the three dispensaries of Kurigram, Gaibanda, and Nelphamari in that district. The District Board of Pubna gave a contribution of Rs. 250 towards increasing the accommodation of the Serajgunge charitable dispensary. In Dacca the District Board made a grant of Rs. 60 to the dispensary at Manickgunge. In Backergunge a sum of Rs. 1,200 was paid to the Barisal Municipality for the maintenance of the charitable dispensary. In Mymensingh the payment of Rs. 60 per annum to the Nasirabad Municipality was continued during the year. The Tipperah District Board contributed Rs. 150 and Rs. 600 respectively to the Hajigunge and Comillah Dispensaries. The Chittagong Board has arranged to engage a lady doctor, in connection with the Chittagong Municipal Hospital, to attend all female patients free of charge. The Shahabad District Board gave Rs. 275 towards the support of the Nasirgunge Dispensary. The District Boards of Patna, Shahabad, and Sarun spent Rs. 4,723 on sanitation and medical relief. A monthly contribution of Rs. 130 and Rs. 50 was paid by the Monghyr District Board to the dispensaries situated at the head-quarters of the district and the sub-division of Beguserai. The Maldah District Board paid a subscription of Rs. 75 a month to a class IIIB dispensary opened in February last at Mathurapur by Mr. G. Hennessy.

30. Form IV appended to this Resolution contains particulars regarding sanitary works undertaken by District Boards during the year it is stated that in Jessore Rs. 10,000, in Burdwan Rs. 5,000, in the 24-Pergunnahs Rs. 2,000, and in Khulna Rs. 2,000 were allotted for the supply of pure drinking water, but that nothing was spent. The Chairman of the 24-Pergunnahs District Board observes:—

“The question of water-supply is involved in difficulty. The want of good water is felt all over the country, and applications for the excavation or re-excavation of tanks are made to the District Board from time to time, but the Board find it difficult to comply with such applications. The selection of a few solitary villages for such improvement would appear invidious and might excite discontent in parts of the district which were not selected. Moreover, if a tank were cleared or re-excavated, it would seldom be possible

to secure its preservation or to guard it effectively from all external impurities. A provision of Rs. 2,000 was made in the budget for the last three years, but the amount was not expended, as no scheme of water-supply could be devised which would admit of being carried out with such a small grant."

The explanation given in other districts is of a similar character. The total expenditure incurred under this head in the whole of Bengal was only Rs. 8,756 on account of sanitary arrangements at fairs, and in some places in the excavation of wells and tanks. The result is no doubt of a very unsatisfactory character; but as was pointed out in last year's Resolution without the appointment of local agencies specially entrusted with matters relating to village sanitation and empowered to raise the necessary funds, very little improvement can be expected in this direction. A special report in which this question has been fully discussed has been submitted to the Government of India, and the whole question is now under the consideration of that Government.

31. The expenditure under this head is necessarily of a fluctuating character. An additional charge incurred during the year was the cost on account of the general elections. In some districts this charge has been shown under "Administration," whereas it should have come under "Miscellaneous." The necessary transfers should be made when the accounts are audited and adjusted. The expenditure on account of staging bungalows and serais increased from Rs. 12,840 in 1888-89 to Rs. 14,615 in the year under report. There was also an increase of Rs. 116 in the amount of rewards granted for the destruction of wild animals. The district in which the largest amount of rewards was granted was Rungpore, where, it is said, the District Board paid Rs. 484 for the destruction of 15 tigers, 50 leopards, and 12 cubs.

32. The total expenditure shown under the head of famine relief amounts to Rs. 2,59,785, the greater part of which was incurred in the districts of Durbhunga (Rs. 1,69,065) and Mozufferpore (Rs. 74,289). The whole outlay was on public works.

With a view to the equitable adjustment of the contribution to be made by Government and the District Boards respectively towards the famine relief expenditure in the affected areas of the Patna Division, it was decided in August 1889 to divide the expenditure into three classes, viz.—

Class I.—Ordinary district works which the District Boards would in any ordinary year have carried out in the affected area, and for which therefore they made no claim on Government for reimbursement.

Class II.—District works undertaken by the Boards as measures of relief, and to be paid for by them.

Class III.—Other relief works, whether carried out by the District Boards or by Government, the cost of which the Districts Boards were unable to bear, and gratuitous relief.

This division recognised distinctly the principle which has been laid down, that the duty of providing relief in the way of work must fall in the first place on local funds before provincial funds can be applied, and that Government should come to the assistance of District Boards only when the expenditure is heavier than they can reasonably be expected to bear consistently with their duties in the non-affected areas the maintenance and repairs of the ordinary district communications and the pay of the permanent establishments.

Under section 99 of the Local Self-Government Act III (B.C.) of 1885, District Boards are empowered to incur expenditure on measures for the relief of famine within such financial limits as may be prescribed by the Commissioner of the Division concerned, and the Bengal Famine Code provides that in districts to which this section of the Act has been extended, relief operations should be governed by rules to be issued under section 138. The provisions of section 99 of the Act have now been extended to all the District Boards of the Province, and rules under section 138 have been prepared and issued for their guidance.

33. The expenditure under the head of "Civil works in charge of Public Works officers" increased by Rs. 2,66,678. It must be explained that the expression Public Works officer does not mean an officer in the Public Works Department of Government, and that the whole of the Civil works referred to were undertaken by Engineers in

the employment of District Boards. The expression is used in the prescribed form of accounts in order to show separately the expenditure on Public Works proper from that incurred on account of ferry establishments, contingencies and refunds, which are considered to be in charge of Civil officers, and amounted in the past year to Rs. 1,10,162. The following statement compares the Public Works expenditure for the past three years:—

YEAR.	Original works.	Repairs.	Establishment.	Tools and plant.	Water-supply and water-works.	Drainage works.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1887-88	10,72,715	16,04,900	5,20,594	30,225	4,534	.....	32,32,968
1888-89	11,15,614	17,88,953	5,27,598	27,115	6,261	.....	34,65,541
1889-90	11,71,942	19,43,732	5,57,345	32,893	20,960	5,347	37,32,219

Out of a total outlay of Rs. 37,32,219, no less than Rs. 2,22,924 was defrayed from grants paid to the District Boards from Provincial Revenues as a contract allowance for the maintenance of provincial roads, the charge of which has by arrangement been transferred from the Public Works Department of Government to local bodies. The remainder, or Rs. 35,09,295, represents the expenditure incurred from road cess funds. This amount during the past year was exceptionally large, as a considerable outlay was debited in several districts to Civil works which might more properly have been charged against Famine Relief. A sum of Rs. 10,785 in the Bhagulpore district, of Rs. 6,445 in the 24-Pergunnahs and of Rs. 2,000 in Purneah appears to have been so debited. But the line which separates these heads of account is too slight to render it necessary to order any adjustment. The Lieutenant-Governor regrets that the information furnished is insufficient to enable a comparative statement to be prepared showing the length of roads maintained by District Boards, metalled and unmetalled, and their cost per mile. Separate orders will issue on this point, prescribing a form of statement for adoption in future years.

In the districts marginally noted a considerable expenditure was incurred on original works. The most important of these was the construction of the new Tangail road from Phulbariah to Kalihati, 26 miles in length, on which the District Board of Mymensingh spent no less than Rs. 63,000. As a rule the expenditure on original works is largest in the Patna Division and smallest in the Presidency, where the most striking feature of the figures is the small proportion of funds spent on original works compared with that spent on maintenance and establishment. Repairs were of the usual character, and do not call for remarks. The Provincial roads transferred to the management of District Boards were on the whole maintained in good condition.

34. The total amount expended by District Boards (except Mozufferpore, for which no figures have been furnished) on the construction and repair of village roads during the year was Rs. 3,68,952. In the case of Burdwan it is explained that the whole of the grant remained unexpended because money had been misspent in past years, and it was therefore thought advisable to defer spending any money on village roads until a system of proper management and supervision could be devised. This explanation cannot, however, be accepted as satisfactory. The views of the Lieutenant-Governor on this subject were fully expressed in last year's Resolution. District Engineers have recently been authorised by an amended rule to look after the working of the road establishments employed under Local Boards; and although it is true that under a lax system the expenditure on village roads by Local Boards is liable to abuse, there ought to be no difficulty in checking any misuse of the funds allotted for this purpose if the roads are properly scheduled and subjected to professional scrutiny.

35. The railway feeder from Haripal to Bhanderbatti, a distance of about six miles in the district of Hooghly, was under construction during the year, and will, it is expected, be soon thrown open to traffic. Another feeder, about two miles in length, from the Grand Trunk Road to the railway station at Galsec, in the Burdwan district, was sanctioned, but owing to delay in land acquisition the work was not commenced.

Railway feeders. In Nuddea a small feeder from the Majergram railway station to Majergram village was constructed during the year.

The important feeder road from Gaibanda in the Rungpore district to Hilli station, Northern Bengal State Railway, in the Dinagepore district, was improved by the District Boards of Dinagepore, Bogra, and Rungpore.

In Dacca a railway feeder road connecting the Sripore station with Goshinga, an important market on the Lakhye river, was continued, the outlay amounting to Rs. 2,488. Rajah Rajendra Narain Rai Bahadur, of Bhowal, has given free of cost as much of his land as is required for the road.

The Monghyr District Board undertook during the last year the metalling of the following railway feeder roads:—

- (1) Dhararah to Laheta Road, which forms a feeder of the East Indian Railway Station at Dhararah.
- (2) Beguserai to Garrah Road, which forms a feeder to the Tirhoot State Railway.
- (3) A portion of the Patna Road between Indupore and Burhea Railway Station, which will be a continuation of the Burhea feeder road.

In the district of Bhagulpore an important railway feeder was constructed to join the Rughoopur Station on the Tirhoot State Railway with Simrahi and Panchpararia near the Nepal frontier. The road from Madhepura to Rughoopur is being bridged, and this will bring the sub-divisional head-quarters within 25 miles of the Rughoopur Station.

37. Several proposals for the construction of tramways came under the consideration of District Boards during the year, but no work was actually undertaken. The Howrah-Ampta and Howrah-Sheekballa schemes which are intended to facilitate communication between the districts of Howrah and Hooghly, are now under consideration in the Public Works Department. The Dooars Tramway line, for which the Julpigoree District Board has guaranteed Rs. 4,000 annually until the scheme returns 6 per cent. profit, has been undertaken by Messrs. Octavius Steel and Company. Negotiations were opened by the District Board of Patna with certain engineering firms for the construction of a steam tramway on the line of road between Bukhtearpore and Behar. The construction of steam tramways on the Gaya-Nowada Road in the Gaya district and on the Ganges and Darjeeling Road between Purneah and Kissengunge are also under consideration.

Tramways. 39. In many districts expenditure is incurred in the maintenance of water communications as well as roads; but the small items on which money was spent are not of sufficient importance to enumerate in detail.

38. The following particulars are recorded regarding the services of steam river communications which were either subsidised or undertaken by District Boards during the year.

Steam river service. The steamer service between Rampore Beaulah and Damukdea has been made a daily one, and the Rajshahye District Board increased the subsidy from Rs. 2,400 to Rs. 4,800 per year. A daily steamer service between Pubna and Kushtea was again established from the middle of June, the Pubna District Board paying a subsidy of Rs. 5,200 per year towards its maintenance. The steam ferry between Naraingunge and Munshigunge was taken over from the Traffic Department of the Eastern Bengal State Railway and managed by the District Board. The ferry was worked at a loss of Rs. 1,284, but it was of great benefit to the public. In Backergunge the daily steamer service between Barisal and Khulna was continued, and was of great advantage to the district throughout the year. The Board paid the usual subsidy of Rs. 500 per mensem, minus certain deductions for late arrivals.

The District Board of Noakholly pays a monthly subsidy of Rs. 200 for a bi-weekly steam service with Barrisal. The Tipperah Board has secured the establishment of a daily steamer service between Gouripura and Naraingunge *viâ* Satnal, a station on the Goalundo-Naraingunge line. During three months of the year the want of water prevents the steamer proceeding further than Dandkundi, 32 miles by road from Comillah, but two boats are engaged at a monthly cost of Rs. 30 to run between Elliotgunge, 21 miles from Comillah, and the steamer station. A similar boat arrangement has been made at the same cost between Muradnagar and the steamer station. The Board pay a monthly subsidy of Rs. 200 to Messrs. Kilburn and Company for the steam service, and receive Rs. 100 from the Postal Department for the carriage of mails between Daudkandy and Satnal. The Board also subsidised a steam service at Rs. 225 a month between Chandpore and Chandipore, but the company which undertook the work closed it after a short trial, apparently finding it unprofitable.

The Chairman of the Maldah District Board writes:—

“Early in July through communication by water was established with Rajmehal, and a steamer ran to and fro on alternate days, the distance *viâ* the Kalindri being about 60 miles. This service was furnished by Baboo Nilmoney Chowdhuri. Later on in August the ferry steamer *Jack*, which had been put on the ferry at Rajmehal by the farmer, Baboo Seo Sahai Singh, was allowed to continue the crossing to Inaitpore and Sadullapore *viâ* the Bhagirathi, as the whole country was under water. Sadullapore is about five miles west of English Bazar, and the steamer ran in and out in one day. To Nilmoney Chowdhuri a subsidy of Rs. 400 a month was paid, but no payment was made to the ferry farmer for the trip to Sadullapore. The steamer between English Bazar and Rampore Beaulah made three trips in the week from August 1889 to March 1890, and also received a subsidy of Rs. 400 a month from 1st October 1889. At first Nilmoney Chowdhuri tried to run this line, but his steamers were too small, and ran so irregularly that no subsidy was granted. In October the India General Steam Navigation Company sent up a splendid steamer, called the *Pirih*, which ran till the river subsided in November. The service, however, was kept up till March by a smaller vessel, and a subsidy of Rs. 400 a month was granted. Since June this year a fine steamer, called the *Trout*, has been plying regularly on alternate days. She is timed on Saturdays to catch the mail boat from Beaulah to Sara, thus enabling Maldah passengers to reach Calcutta next morning.”

The Lieutenant-Governor has no doubt that the expenditure incurred by District Boards in establishing or subsidising a river steam service is most judicious and has greatly improved communications.

39. The average percentage of cost of establishment on the total outlay on public works during the year was 16·4. The highest percentage was in Chittagong and the lowest in Mymensingh, the figures being 28·4 and 9·1 respectively.

The establishments are reported to have worked satisfactorily during the year.

40. No loans were contracted during the year under report, but the Lieutenant-Governor has agreed to grant a loan of two lakhs to the District Board of Dinagepore and Rs. 25,000 to the Julpigoree Board for the construction of bridges on district roads, and since the close of the year has signified his intention to sanction a loan of Rs. 80,000 to the Patna District Board to complete the construction of bridges on the roads from Buktearpore to Behar and from Mosourhi to Tabhera. The restriction referred to in last year's resolution, regarding the class of works for which Boards are empowered to borrow from the Local Government, has now been removed by the Government of India, and the Lieutenant-Governor hopes that District Boards will not hesitate to apply to Government for loans on account of well-considered schemes for the permanent improvement of the communications and general sanitary condition of their districts.

41. The following are the observations recorded by the Commissioners in their reports on the working of District and Local Boards during the year.

General Remarks. Mr. Toynbee, the Officiating Commissioner of Burdwan writes:—

“On the whole, I am of opinion that both the District and Local Boards have done good work during the year. Now that complete sets of rules have been framed, and the routine work has begun to settle down into a groove, I think that the next step to be taken is to gradually withdraw the appointment of official Chairman. I would not at first allow the members of District Boards to elect their own Chairman, but they might nominate them, and

the District Magistrates in forwarding the nomination might report fully of the business and other qualifications of the nominees. The experiment might for the present be tried in Hooghly and Burdwan. If successful, it should be afterwards extended to other districts in this division. In making this recommendation, I do so on the assumption that the principles of local self-government have been finally accepted as the policy of the future, and that every possible step to that end is to be taken which is consistent with caution and a due regard for the interests of the general public."

Mr. Smith, the Commissioner of the Presidency Division, states:—

"The District Boards have, on the whole, worked smoothly and successfully during the year. The members generally have evinced much interest in the proceedings. The average attendance has been generally a little under half, and has in no case been quite half the number. The average is bad in Jessore, where it was but 30·64 per cent. The largest number of meetings was 13 in the 24-Pergunnahs, and the smallest, 6 in Jessore. In considering these points, however, the great distances from which many of the members have to come must not be overlooked, and I do not think the result is on the whole unsatisfactory, though I should be glad to see improvement, especially in Jessore."

Mr. Lewis, the Commissioner of the Rajshahye Division, says:—

"The District Boards on the whole have worked well, but depend a good deal on the official Chairmen. This is less the case in Pubna, where both District and Local Boards show rather more independence."

Mr. Power, the Officiating Commissioner of the Dacca Division, gives the opinion of Mr. Hare, the Chairman of the Dacca District Board, that "the Act has worked without difficulty;" and quotes the remarks of Mr. Savage, the Chairman of the Backergunge District Board, as follows:—

"The several Boards in the district have done good work, and the members have taken a great deal of interest in the transaction of business brought before them. The Local Boards have been able to open out village roads without having to acquire any land for the purpose, and the intercommunications have been much improved. There has been harmony among the members of the Board, and on the whole I am able to report that Local Self-Government tends to be a success in this district."

Mr. Power briefly records his own opinion in the following words:—

"On the whole the year was one of fair progress."

Mr. Lyall, the Commissioner of Chittagong, makes the following report:—

"The Inspector of Local Works detected the second clerk of the Chittagong Board in malpractices in connection with contracts, but the majority of the Board refused to punish him or take any notice of his conduct. In fact the majority made a personal in place of a public matter of it. Such cases must, I fear, occur at times, and there is no remedy. The more prompt settlement of advances requires attention in this district. The money has been properly spent, but the members who supervise the works are slow in rendering accounts."

"In Noakholly the accounts require attention. They were found very carelessly kept at time of audit. The Chairman ascribes the errors to change of staff. Good work was, however, done in the district. The present Chairman has fully grasped the wants of the district, and considerable improvement may be effected next year."

"The Tipperah Board have taken great interest in their work, and are devoting their attention to improvements in a sanitary direction, and to the provision of increased medical aid in outlying parts."

"The Board have reduced their expenditure on middle schools, but this is a point on which all District Boards require watching, else money which should be spent on roads and communications will be spent on education."

Mr. Kemble, Officiating Commissioner of Patna, writes:—

"All the district officers have expressed an opinion that the members of the District Boards have worked satisfactorily on the whole and in harmony with the executive. Much interest is said to have been manifested by all the members of the Boards in all the districts except Chumparun, in respect to which Mr. Blyth writes:—

"The general working of the District Board during the year may be regarded as satisfactory, but all the members did not take that amount of interest which might be expected, and the submission of the monthly accounts was often delayed in consequence of their not being regularly audited by the Finance Committee for the want of the attendance of a sufficient number of members to form a quorum."

"All the District Boards have Standing Committees for the disposal of business. In Patna, Mozufferpore, and Durbhanga especially the members of these Committees are said to have rendered great help to the Boards in auditing accounts, supervising the plans and estimates of the District Engineer, looking after schools, and generally in disposing of the matters laid before them."

"The Local Boards as a rule are said to take but little interest in their work. From Shahabad Mr. Bernard reports that these bodies fail to do full justice to the matters transferred and to the funds allotted to them, some of them leaving large sums unexpended under some heads, especially Sanitation."

"In the Patna district it is reported that the Sudder Local Board showed the greatest amount of activity, and its efforts were in all directions uniformly successful. The other Local Boards did not work well.

"The Local Boards in Mozufferpore held a very few meetings, and the Mozufferpore Local Board is particularly mentioned as being in a distinctly inefficient condition.

"In Durbhanga it is reported that the Somastipur Local Board is energetic, but the Durbhanga and Madhubani Local Boards are much less so.

"I am glad to note that the Magistrate and Collectors bear testimony to the good work done by their Boards. The good work is, however, more of a consultative than an executive nature. In every district one or two men, Native or European, take an interest in one or more special subjects, but few (if any) have time or inclination to look into the working of the Board as a whole, or to control its finances and to enquire into its general efficiency. The consequence is that, as the Chairman is overworked, too much is left to the Secretary. The accounts, especially those of the Local Boards as shown by the reports of the Examiner, are ill-kept and inadequately supervised."

Mr. Quinn, the Officiating Commissioner of Bhagulpore, states:—

"Having only joined the Division in the middle of March, I have but little personal knowledge of the working of the several local bodies during the past year; but it may be gathered from the general tenor of the district reports and statements that the District and Local Boards have on the whole discharged the duties entrusted to them in a satisfactory manner, and that fair progress has been made in the execution of the works under their control. In the Purneah district there was for some time considerable friction between the native members of the District Board and the Engineer, but these differences have been arranged, and here, as in the other districts of the division, harmony generally prevails. There is still of course ample scope for improvement, and among other defects a tendency has been noticed to leave too much of the business of the district body to standing committees, whose conclusions and recommendations are sometimes adopted without due consideration. There is also a disposition in some cases to increase the expenditure on establishments to an unnecessary extent. An instance of this occurred during the past year, when a District Board persisted in raising the pay of some members of their own office establishment and that of the District Engineer on the recommendation of the Finance Committee, though the increase was held to be quite unnecessary by the Commissioner and Inspector of Works, and as regards the District Engineer's establishment was not recommended by that officer himself. In the case in question, I have informed the Board that the total cost of these establishments is already high, and that no increase of the aggregate charges on account of them will be sanctioned in future years in the absence of very convincing reasons. I trust that this declaration may check the further enhancement of individual salaries.

"The Boards have bestowed considerable attention on education, and there has been a general increase in the number both of schools and scholars, including primary schools, of which the Boards are, I think, entitled to share the credit. The relations between the Boards and the Education Department have also been harmonious; but the Inspector complains of delay in the transaction of business, and specially in passing bills, which he attributes to the delegation of executive work of this kind that can be properly performed by the Chairman or Vice-Chairman to Education and Finance Committees which only meet at intervals. There appears to be need of reform in this respect, in effecting which I have expressed my willingness to give any aid in my power."

Mr. Worsley, the Commissioner of Orissa, says:—

"The Local Self-Government Act has been in operation for a comparatively short time, and the system has not had time to develop fully in all departments. Generally speaking, the administration has been satisfactory. In Cuttack, many of the members of the Boards did not take much interest in their work, and the Magistrate and Chairman of the District Board regrets that the work is carried on more as that of a special department of the Magistrate and Collector than as an independent institution as it should be. The Chairman of the Pooree District Board complains that he finds it very difficult to get the monthly accounts audited by the Financial Sub-Committee. This district shows the best results under the heads of "Roads" and "Education." In spite of the prevalence of cholera in the early part of the year, there has been an increase in the number of primary schools and scholars, while the amount expended on village roads shows a marked increase over the allotment of the preceding year. In Balasore the administration was generally successful. The following are the remarks of the Chairman under this head:—

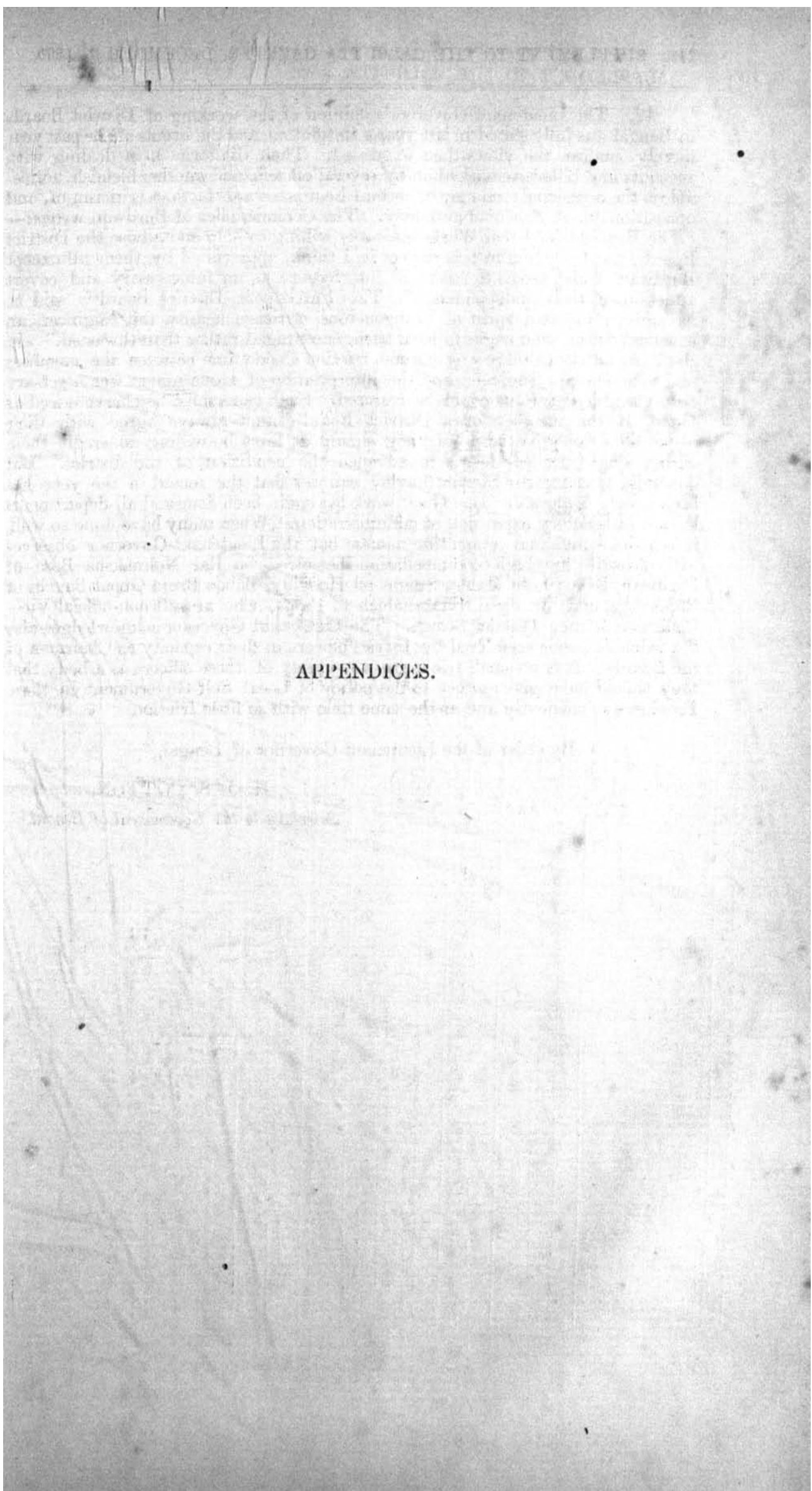
"The general working of all the Boards has been on the whole satisfactory. There has been little or no inclination to faction or obstruction. Private members, perhaps, come less to the fore than at first, but, as a counterpoise to this, they seem more ready to subordinate their own crochets to the public good. I am not equally satisfied with the system under which all the roads, pounds, and elementary education were devolved on the Local Boards. This is probably the best course as regards outlying sub-divisions, but in the Sudder it results in a great want of local supervision by those with whom the responsibility nominally rests. Neither the Chairman of the Sudder Local Board nor the Vice-Chairman can ever find time to visit places lying more than a few miles from head-quarters. Roads certainly, and probably pounds and schools, would have been better looked after if the District Board had been less lavish in parting with its authority."

42. The Lieutenant-Governor's opinion of the working of District Boards in Bengal was fully stated in last year's Resolution, and the events of the past year merely confirm the views then expressed. Their dilatoriness in dealing with accounts and bills is remarked on by several officers, and another blemish noticeable is the occasional tendency of certain Boards towards factious criticism of, and opposition to, professional authority. The Commissioner of Burdwan writes:—"The Inspector of Local Works is always willing to help and advise the District Boards, and his action in this respect is, I think, appreciated by them all except Burdwan, which seems to resent all interference as an unnecessary and covert attack upon their independence." The Fureedpore District Board is said to have given way to a spirit of "ungenerous criticism against the Engineer, an excellent officer, who ought to have been encouraged rather than thwarted." In the Purneah Board there was extreme friction at one time between the members and their District Engineer, and the interposition of Government was necessary before healthy relations could be restored. Such cases must be characterised as blots. If the members of a District Board cannot always agree with their responsible executive advisers, they should at least be willing to credit them with a single-minded desire to advance the condition of the district. But generally speaking Sir Steuart Bayley can say that the record of the year has been a very favourable one. Good work has again been done and all departments show a satisfactory expansion of administration. When many have done so well, it is perhaps invidious to mention names; but the Lieutenant-Governor observes with pleasure the high commendation bestowed on Rai Nolinaksha Bose of Burdwan, Baboo Lolit Mohun Singh of Hooghly, Baboo Brojo Gopal Bagchi of Rajshahye, and Mr. Syed Sharafudeen of Patna, who are all non-official Vice-Chairmen of their District Boards. The Lieutenant-Governor acknowledges also the valuable service rendered by district officers in their capacity as Chairmen of the Boards. It is no small tribute to the ability of these officers as a body that they should have given effect to the policy of Local Self-Government in these Provinces so efficiently and at the same time with so little friction.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

Secretary to the Government of Bengal.



FORM No. I.

Statement showing the constitution of Local Boards in Bengal during the year ending 31st March 1890.

Serial No.	NAME OF LOCAL BOARD.	Act under which constituted.	Area in square miles.	Population within the area.	NUMBER OF MEMBERS.									Number of meetings held.	AVERAGE ATTENDANCE AT EACH MEETING.		
					Ex-officio.	Nominated.	Elected.	Total.	Officials.	Non-officials.	Europeans and Eurasians.	Natives.	Officials.		Non-officials.	Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	Burdwan ...	Act III (B.C.) of 1885.	1,230	607,165	1	4	10	15	2	13	...	15	6	6	25	101	
2	Ranigunge ...	Ditto	664	273,622	...	4*	5	9	1	8	3	6	9	55	322	377	
3	Cutwa ...	Ditto	347	217,427	...	3	6	9	1	8	...	6	6	5	46	51	
4	Culina ...	Ditto	428	228,013	...	3	6	9	...	9	...	9	5	52	52	52	
5	Bankoora ...	Ditto	1,917	629,016	1	3	8	12	2	10	...	12	7	143	4	543	
6	Bishenpore ...	Ditto	692	362,731	...	3	6	9	...	9	...	9	5	38	38	38	
7	Soory ...	Ditto	1,086	476,271	...	4*	7	11	5	6	...	11	9	15	15	3	
8	Rampore Hat ...	Ditto	669	319,567	...	3	6	9	1	8	1	8	12	75	475	25	
9	Midnapore ...	Ditto	3,290	1,235,455	3	9	24	36	6	30	6	31	5	2	116	1876	
10	Ghattal ...	Ditto	303	236,676	...	6	12	18	3	15	...	18	7	1	7	8	
11	Tumlook ...	Ditto	617	473,174	1	5	12	18	1	17	...	18	12	16	583	699	
12	Contal ...	Ditto	840	481,606	3	5*	13	21	3	18	1	20	11	72	71	792	
13	Hooghly ...	Ditto	408	270,323	1	6†	8	15	2	13	...	15	6	17	6	617	
14	Serampore ...	Ditto	328	288,807	1	6†	8	15	1	14	...	15	10	9	67	76	
15	Jehanabad ...	Ditto	421	342,095	...	3	6	9	1	8	...	9	2†	85	47	545	
16	Howrah ...	Ditto	162	205,831	...	3	6	9	1	8	...	9	2	5	5	45	
17	Oolcoberia ...	Ditto	303	325,737	...	6‡	6	12	...	12	...	12	8	...	718	716	
18	Diamond Harbour ...	Ditto	417	344,330	...	4	8	12	...	12	...	12	6	...	46	46	
19	Alipore ...	Ditto	836	403,828	...	6	9	15	3	12	...	15	5	18	381	64	
20	Barrackpore ...	Ditto	29	22,196	...	2	4	6	1	5	...	6	3	77	334	46	
21	Dum-Dum ...	Ditto	12	16,645	...	2	1	6	2	4	...	6	3	166	334	5	
22	Bussirhat ...	Ditto	332	161,168	...	5	4	9	...	9	...	9	10	475	48	48	
23	Baraset ...	Ditto	370	222,745	...	5	6	9	2	7	...	9	8	62	475	597	
24	Khoolna ...	Ditto	696	338,204	2	2	8	12	2	10	...	12	4	5	43	5	
25	Satkhiria ...	Ditto	677	417,069	...	5	10	15	...	15	...	15	4	...	725	725	
26	Bagirhat ...	Ditto	679	300,793	...	4	8	12	...	12	...	12	3	...	73	73	
27	Kooshtea ...	Ditto	552	431,632	...	3	6	9	...	9	...	9	5	...	52	52	
28	Meherpore ...	Ditto	627	333,165	...	6	3	9	...	9	2	7	4	...	5	5	
29	Chooadana ...	Ditto	437	254,395	...	3	6	9	...	9	1	8	4	...	45	45	
30	Krishnaghar ...	Ditto	691	338,162	...	4	8	12	...	12	...	12	6	...	63	63	
31	Ranaghat ...	Ditto	416	189,388	1	3	6	10	1	9	...	10	6	1	583	683	
32	Jhenidah ...	Ditto	467	317,291	...	3	6	9	1	8	...	9	7	85	486	571	
33	Magorah ...	Ditto	425	293,303	...	3	6	9	...	9	...	9	9	...	4	4	
34	Jessore ...	Ditto	883	620,444	...	6	12	18	...	18	2	16	6	...	350	350	
35	Narail ...	Ditto	487	328,172	...	3	6	9	1	8	...	9	10	60	470	470	
36	Bongong ...	Ditto	645	356,126	...	4	11	15	1	14	...	15	7	1	414	574	
37	Berhampore ...	Ditto	974	522,382	...	8	7	15	2	13	...	15	6	133	267	4	
38	Lalbagh ...	Ditto	234	167,776	1	8	...	9	1	8	...	9	6	1	28	38	
39	Jungypore ...	Ditto	507	293,893	...	9	3	12	...	12	...	12	6	...	4	4	
40	Kandi ...	Ditto	383	213,297	1	9	2	12	1	11	...	12	6	1	3	4	
41	Beaulah ...	Ditto	937	579,523	...	5	10	15	1	14	1	14	1	8	43	51	
42	Nowgong ...	Ditto	603	268,579	...	3	6	9	1	8	...	9	1	18	22	6	
43	Natore ...	Ditto	811	461,418	...	4	8	12	...	12	1	11	1	16	26	42	
44	Rungpore ...	Ditto	1,128	657,662	...	12	...	12	3	9	...	12	9	3	108	138	
45	Nilphamari ...	Ditto	638	439,486	...	6	...	6	1	5	...	6	9	3	34	37	
46	Kurigram ...	Ditto	937	534,954	...	6	...	6	...	6	...	6	6	...	33	33	
47	Gaibanda ...	Ditto	760	459,862	...	7	...	7	1	6	...	7	9	1	23	33	
48	Pubna ...	Ditto	899	597,081	...	4	8	12	...	12	...	12	14	...	52	52	
49	Serajgunge ...	Ditto	944	678,706	...	4	8	12	2	10	1	11	13	1	44	54	
50	Naraingunge ...	Ditto	641	458,149	...	3	6	9	...	9	...	9	5	...	58	58	
51	Dacca ...	Ditto	1,261	621,368	...	4	8	12	...	12	...	12	5	...	68	68	
52	Manickgunge ...	Ditto	489	427,217	...	3	6	9	...	9	...	9	6	...	42	42	
53	Moonshigunge ...	Ditto	401	519,447	...	5	10	15	1	14	...	15	4	5	25	273	
54	Furreedpore ...	Ditto	852	616,468	1	3	8	12	2	10	...	12	9	77	411	488	
55	Madaripore ...	Ditto	974	677,406	1	3	8	12	1	11	...	12	13	85	40	489	
56	Goalundo ...	Ditto	428	321,485	...	3	6	9	...	9	...	9	4	...	45	45	
57	Patuakhally ...	Ditto	1,231	426,738	1	8	...	9	2	7	...	9	7	171	30	471	
58	Perozepore ...	Ditto	689	436,192	1	4	10	15	1	14	...	15	7	23	514	545	
59	Burisal ...	Ditto	1,096	795,717	1	5	12	18	2	16	1	17	11	...	755	755	
60	Bhola ...	Ditto	615	212,239	1	8	...	9	3	6	...	9	7	314	514	528	
61	Jamulpore ...	Ditto	1,220	426,945	2	6	...	8	2	6	...	8	7	20	12	32	
62	Tanzail ...	Ditto	1,051	737,250	1	7	...	8	2	6	...	8	13	10	30	40	
63	Netrokona ...	Ditto	1,389	574,840	1	7	...	8	2	6	1	7	10	15	23	38	
64	Mymensing ...	Ditto	1,845	729,698	...	4	8	12	3	9	1	11	13	9	40	49	
65	Kishoregunge ...	Ditto	737	445,517	...	8	...	8	3	5	...	8	13	20	15	35	
66	Brammberiah ...	Ditto	758	513,919	...	9	...	9	5	4	...	9	4	235	325	75	
67	Comillah (Tipperah) ...	Ditto	1,138	690,034	...	12	...	12	3	9	...	12	11	190	454	644	
68	Chandpore ...	Ditto	580	284,381	...	7	...	7	1	6	...	7	11	10	361	463	
69	Patna ...	Ditto	637	412,636	...	4	8	12	...	12	...	12	13	...	4	4	
70	Dinapore ...	Ditto	133	142,388	...	3	6	9	...	9	1	8	6	...	48	48	
71	Barh ...	Ditto	487	361,385	...	3	6	9	2	7	...	9	5	12	38	5	
72	Behar ...	Ditto	785	579,799	...	8	4	12	1	11	...	12	7	1	47	57	
73	Gya ...	Ditto	1,827	716,752	2	7	...	9	2	7	1	8	5	2	34	36	
74	Nowadah ...	Ditto	1,020	488,488	1	5	...	6	1	5	...	6	6	1	35	45	
75	Jehanabad ...	Ditto	607	385,189	...	6	...	6	1	5	2	4	8	1	7	17	
76	Aurungabad ...	Ditto	1,238	435,641	1	5	...	6	1	5	...	6	5	1	2	3	
77	Arrah ...	Ditto	903	657,275	2	28	...	30	2	28	3	27	12	4	87	91	
78	Buxar ...	Ditto	644	388,676	3	12	...	15	3	13	4	11	5	12	44	56	
79	Sasseram ...	Ditto	1,488	484,639	1	19	...	20	2	18	3	17	9	14	36	5	
80	Bhubhua ...	Ditto	1,300	313,806	1	7	...	8	1	7	...	8	15	3	12	15	
81	Madhubani ...	Ditto	1,342	891,105	2	8	...	10	2	8	3	8	8	2	3	9	
82	Durbunga ...	Ditto	1,213	892,466	3	7	...	10	3	7	3	7	12	1	3	4	
83	Samastipore (Tajpore) ...	Ditto	764	155,943	1	7	...	8	1	7	3	5	1	1	3	4	
84	Seetamurhi ...	Ditto	999	831,359	...	8	...	8	2	6	2	6	4	2	17	27	
85	Mozufferpore ...	Ditto	1,188	976,993	...	8	...	8	4	4	4	4	3	23	2	43	
86	Hajipore ...	Ditto	760	683,022	...	8	...	8	2	6	7	1	3	2	1	3	

* One appointed under section 10.

† Two appointed under section 10.

‡ Includes three meetings held by the new Local Board.

§ Three appointed under section 10.

|| Of the old Board.

¶ Do. new Board.

Serial No.	NAME OF LOCAL BOARD.	Act under which constituted.	Area in square miles.	Population within the area.	NUMBER OF MEMBERS.								Number of meetings held.	AVERAGE ATTENDANCE AT EACH MEETING.		
					Ex-officio.	Nominated.	Elected.	Total.	Officials.	Non-officials.	Europeans and Eurasians.	Natives.		Officials.	Non-officials.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
87	Gopalgunge	Act III (B.C.) of 1885.	771	515,066	2	4	...	6	2	4	2	4	9	.....	.....	3'2
88	Sewan	Ditto	849	735,961	1	7	...	8	2	6	4	4	7	9	1'8	2'7
89	Chupra	Ditto	969	920,092	2	14	...	16	4	12	10	6	8	1	4'6	4'7
90	Monghyr	Ditto	1,550	703,017	1	11	...	12	2	10	2	10	8	7'5	4'25	5
91	Rohtas	Ditto	769	583,426	1	11	...	12	1	11	3	9	(a) 4	1	3'75	4'75
92	Jamui	Ditto	1,592	543,403	1	11	...	12	1	11	...	12	(b) 12	8'3	3'42	4'25
93	Bhagalpore	Ditto	926	472,989	...	13	...	13	1	12	1	12	(c) 12	10'8	5'67	5'75
94	Soochur	Ditto	1,275	600,874	...	14	...	14	1	13	3	11	12	1	5'5	6'5
95	Muddehpore	Ditto	872	398,006	...	12	...	12	1	11	2	10	(d) 10	1	3'5	4'5
96	Banka	Ditto	1,185	420,379	...	12	...	12	1	11	...	12	(e) 11	1	5'58	6'36
97	Arrah	Ditto	1,044	401,979	...	12	...	12	...	12	...	12	8	...	6'25	6'25
98	Kissengunge	Ditto	1,304	619,909	...	12	...	12	1	11	...	12	4	1	8	4
99	Purneah	Ditto	2,533	800,891	...	12	...	12	2	10	6	6	5	6	5'6	6'2
100	Cuttack	Ditto	984	624,641	...	15	...	15	4	11	2	13	10	2'0	4'1	6'1
101	Kendrapara	Ditto	1,419	559,383	...	12	...	12	2	10	2	10	7	1'0	4'42	5'42
102	Jajpore	Ditto	1,090	484,205	...	12	...	12	3	9	1	11	8	2'42	4'25	6'67
103	Bhuddruck	Ditto	908	425,573	1	9	...	10	3	7	...	10	10	1'85	2'96	4'8
104	Balasore	Ditto	1,158	499,443	2	10	...	12	5	7	1	11	9	4'11	2'11	6'22
105	Pooree	Ditto	1,530	540,279	1	7	...	8	3	5	...	8	4	1'5	2'0	3'5
106	Khoorda	Ditto	943	323,406	...	6	...	6	4	2	1	5	10	2'1	2'0	4'1
Total			61,519	50,982,012	55	713	435	1,203	163	1,040	97	1,106	788	92	4'77	5'69

(a) Owing to the absence of the Chairman on deputation to Jessore.

(b) Four meetings had to be adjourned for want of a quorum.

(c) Three ditto ditto.

(d) Thirteen meetings were convened. In four of them there was no quorum. One of the meetings held was an adjourned meeting.

(e) Thirteen meetings were held. In two of them there was no quorum.

FORM NO. I.

Statement showing the constitution of the District Boards in Bengal during the year ending 31st March 1890.

Serial No.	Name of District Board.	Act under which constituted.	Area in square miles.	Population within the area.	NUMBER OF MEMBERS.								Number of meetings held.	AVERAGE ATTENDANCE AT EACH MEETING.		
					Ex-officio.	Nominated.	Elected.	Total.	Officials.	Non-officials.	Europeans and Eurasians.	Natives.		Officials.	Non-officials.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Burdwan	III (B.C.) of 1883.	2,669	1,326,227	4	5	9	18	6	12	5	13	17	1'76	5'63	7'41
2	Bankura	Ditto	2,609	991,747	1	6	7	14	3	11	2	12	12	1'5	4'7	6'2
3	Beerbhoom	Ditto	1,754	7-6,778	3	3	6	12	3	9	2	10	13	1'44	3'16	4'6
4	Midnapore	Ditto	5,059	2,427,391	6	12	18	36	10	26	7	29	10	3'9	10'2	14'1
5	Hooghly	Ditto	1,157	901,210	6	7	13	26	6	20	3	23	8	3'2	11'1	14'3
6	Howrah	Ditto	465	529,563	3	2	5	10	3	7	1	9	10	1'3	5'3	6'5
7	24 Pargannas	Ditto	1,991	1,171,820	6	7	12	25	10	15	2	23	13	3'84	6'08	9'92
8	Khoolna	Ditto	2,652	1,056,066	5	4	8	17	5	12	1	16	9	2'77	5'55	8'32
9	Nudda	Ditto	3,371	1,908,363	6	5	10	21	6	15	6	15	7	2'85	7'28	10'13
10	Jessore	Ditto	2,262	1,553,210	7	6	12	25	9	16	5	20	6	2'33	5'33	7'66
11	Meershedabad	Ditto	2,098	1,137,448	7	2	10	19	8	11	8	11	7	4'28	3'27	7'55
12	Dinapore	Ditto	4,113	1,591,340	4	17	...	21	10	11	2	19	18	2'8	2'7	5'5
13	Rajshahye	Ditto	2,353	1,309,329	2	8	10	20	6	14	7	13	11	3'3	5'5	8'8
14	Bungpore	Ditto	3,324	2,082,064	3	12	15	30	4	26	1	29	9	3'0	10'8	13'8
15	Bokra	Ditto	1,403	723,663	...	15	...	15	3	12	...	12	15	1'5	4'0	5'5
16	Patna	Ditto	1,843	1,270,035	3	4	8	15	3	12	...	12	14	1'8	4'6	6'4
17	Jalpaigore	Ditto	2,881	573,326	4	12	...	16	8	8	8	8	7	3'8	2'8	6'6
18	Dacca	Ditto	2,790	2,020,781	6	9	14	29	10	19	3	26	9	3'6	6'7	10'3
19	Fairfieldpore	Ditto	2,250	1,040,369	4	9	12	25	9	16	...	25	16	4'50	9'06	13'56
20	Backergunge	Ditto	3,618	1,870,827	3	9	12	24	8	16	4	29	13	2'54	9'02	12'46
21	Mymensingh	Ditto	5,242	2,964,180	2	11	12	25	7	18	...	25	8	3'2	6'4	9'6
22	Tipperah	Ditto	2,476	1,083,304	4	3	6	13	5	8	4	9	18	3'	5'16	8'16
23	Noakhally	Ditto	1,639	815,068	5	8	...	13	5	8	2	11	12	3'08	3'56	6'68
24	Chittagong	Ditto	2,661	1,107,090	7	12	...	19	7	12	7	13	15	4'93	4'13	9'06
25	Patna	Ditto	2,012	1,496,208	5	7	12	24	5	19	3	21	11	1'7	10'2	11'9
26	Gya	Ditto	4,680	2,020,070	2	9	10	21	5	16	5	16	17	1'6	6'6	8'2
27	Shahabad	Ditto	4,335	1,844,304	4	9	12	25	7	18	6	19	11	2'1	5'8	7'9
28	Durbhanga	Ditto	3,569	2,539,514	5	8	12	25	7	18	13	12	16	4	8	12
29	Mozaffarpore	Ditto	2,937	2,401,374	...	9	9	18	7	11	12	6	8	3'3	4'6	7'9
30	Sarun	Ditto	2,580	2,201,119	7	8	15	30	11	19	14	14	18	3'2	6'3	9'7
31	Chumpanun	Ditto	3,610	1,089,422	4	12	...	16	6	11	10	6	8	2'4	4'4	6'8
32	Munghyr	Ditto	3,911	1,889,846	5	7	12	24	6	18	9	15	12	3'3	8'3	11'8
33	Bhagalpore	Ditto	4,239	1,892,248	4	16	20	40	4	36	8	32	11	1'54	14'32	16'36
34	Purneah	Ditto	4,870	1,822,279	2	10	12	24	4	20	6	18	(a) 13	1'4	9'9	11'3
35	Maldah	Ditto	1,887	693,394	2	10	...	12	4	8	4	8	(b) 13	3'77	2'61	6'38
36	Cuttack	Ditto	3,502	1,672,399	5	6	10	21	7	14	5	16	12	2'25	1'91	4'16
37	Balasore	Ditto	2,058	925,015	2	6	8	16	19	6	5	11	11	5'09	2'27	7'36
38	Pooree	Ditto	2,470	863,684	2	5	6	13	7	6	3	10	11	2'45	3'72	6'17
Total			109,891	57,185,367	150	310	337	797	213	554	186	611	448	2'82	6'16	8'98

(a) Includes one special and two adjourned meetings.

(b) Includes two special meetings.

Statement showing the income of the District Board.

Serial number of District Board.	NAME OF DISTRICT BOARD.	Closing balance of last year.	I.—LAND REVENUE.				VI.—PROVINCIAL RATES.					XII.—INTEREST.			XIII.—POST OFFICE.			Receipts under Cattle Taxation.
			Revenue due to canals.	Sale proceeds of trees, grass, &c.		Total.	Local rate.	Patwari cess.	Village service fund.	Interest on arrear of road cess.	Total.	On education securities.	On dispensary securities.	Total.	Mail cart receipts.	District post (collections.)	Total.	
Burdwan Division.																		
1	Burdwan ...	57,463	.....	.....	.....	1,36,865	.....	.....	.....	1,36,865	.....	.....	.....	.....	.....	.....	.....
2	Bankoora ...	34,723	.....	.....	.....	46,526	.....	.....	.....	46,526	.....	.....	.....	.....	.....	.....	.....
3	Beerbhoom ...	29,194	.....	.....	.....	54,919	.....	.....	.....	54,919	.....	.....	.....	.....	.....	.....	.....
4	Midnapore ...	6,283	.....	.....	.....	1,35,214	.....	.....	2,436	1,37,650	.....	.....	.....	.....	.....	.....	.....
5	Hoghly ...	54,826	.....	.....	.....	69,613	.....	.....	.....	69,613	.....	.....	.....	.....	.....	.....	.....
6	Howrah ...	49,514	.....	168	168	41,322	.....	.....	.....	41,322	.....	.....	.....	.....	.....	.....	.....
	Total ...	1,22,557	.....	168	168	4,84,439	.....	.....	2,436	4,86,895	.....	.....	.....	.....	.....	.....	.....
Presidency Division.																		
7	24-Pergunnahs ...	55,943	.....	1,844*	1,844	1,02,071	.....	.....	.....	1,02,071	.....	.....	.....	.....	.....	.....	.....
8	Khoolna ...	27,905	.....	87	87	58,978	.....	.....	.....	58,978	.....	.....	.....	.....	.....	.....	.....
9	Nuddea ...	25,003	.....	.....	.....	63,873	.....	.....	.....	63,873	.....	.....	.....	.....	.....	.....	.....
10	Jessore ...	27,324	.....	43	43	82,594	.....	.....	.....	82,594	.....	.....	.....	.....	.....	.....	.....
11	Moorsheadabad ...	15,937	.....	747	747	74,678	.....	.....	.....	74,678	.....	.....	.....	.....	.....	.....	.....
	Total ...	1,52,192	.....	2,721	2,721	3,82,094	.....	.....	.....	5,82,094	.....	.....	.....	.....	.....	.....	.....
Rajahmundry Division.																		
12	Dinapore ...	47,061	.....	36	36	75,386	.....	.....	.....	75,386	.....	.....	.....	.....	.....	.....	.....
13	Rajahmundry ...	39,884	.....	299	299	73,810	.....	.....	.....	73,810	.....	.....	.....	.....	.....	.....	.....
14	Kungur ...	29,150	.....	96	96	1,20,184	.....	.....	.....	1,20,184	.....	.....	.....	.....	.....	.....	.....
15	Boira ...	56,340	.....	34	34	43,199	.....	.....	.....	43,199	.....	.....	.....	.....	.....	.....	.....
16	Pahna ...	46,977	.....	17	17	38,616	.....	.....	.....	38,616	.....	.....	.....	.....	.....	.....	.....
17	Jalpigoree ...	19,583	.....	108	108	43,553	.....	.....	.....	43,553	.....	.....	.....	.....	.....	.....	.....
	Total ...	2,20,095	.....	590	590	3,95,348	.....	.....	.....	3,95,348	.....	.....	.....	.....	.....	.....	.....
Dacca Division.																		
18	Dacca ...	48,379	.....	.....	.....	68,815	.....	.....	619	69,434	.....	.....	.....	.....	.....	.....	.....
19	Furreedpore ...	458	.....	.....	.....	46,918	.....	.....	.....	46,918	.....	.....	.....	.....	.....	.....	.....
20	Backergunge ...	62,962	.....	.....	.....	85,419	.....	.....	.....	85,419	.....	.....	.....	.....	.....	.....	.....
21	Mymensingh ...	1,48,131	.....	6	6	1,59,399	.....	.....	.....	1,59,399	.....	.....	.....	.....	.....	.....	.....
	Total ...	2,59,930	.....	6	6	3,60,551	.....	.....	619	3,61,170	.....	.....	.....	.....	.....	.....	.....
Chittagong Division.																		
22	Tipperah ...	62,880	.....	.....	.....	98,663	.....	.....	.....	98,663	.....	.....	.....	.....	.....	.....	.....
23	Noakhally ...	76,436	.....	.....	.....	76,585	.....	.....	.....	76,585	.....	.....	.....	.....	.....	.....	.....
24	Chittagong ...	1,04,606	9,365	.....	9,365	80,238	.....	.....	.....	80,238	.....	.....	.....	.....	.....	.....	.....
	Total ...	2,43,922	9,365	.....	9,365	2,55,486	.....	.....	.....	2,55,486	.....	.....	.....	.....	.....	.....	.....
Patna Division.																		
25	Patna ...	1,20,486	.....	635	635	1,73,462	.....	.....	.....	1,73,462	.....	.....	.....	.....	.....	.....	.....
26	Gya ...	55,275	.....	.....	.....	1,97,198	.....	.....	.....	1,97,198	.....	.....	.....	.....	.....	.....	.....
27	Shahabad ...	78,516	.....	237	237	1,35,246	.....	.....	.....	1,35,246	.....	.....	.....	.....	.....	.....	.....
28	Darbhanga ...	76,158	.....	.....	.....	1,68,246	.....	.....	.....	1,68,246	.....	.....	.....	.....	.....	.....	.....
29	Muzafferpore ...	6,161	.....	196	196	1,36,585	.....	.....	.....	1,36,585	.....	.....	.....	.....	.....	.....	.....
30	Saran ...	94,837	.....	.....	.....	1,66,016	.....	.....	.....	1,66,016	.....	.....	.....	.....	.....	.....	.....
31	Chumpran ...	3,982	.....	93	93	79,356	.....	.....	.....	79,356	.....	.....	.....	.....	.....	.....	.....
	Total ...	4,44,415	.....	1,071	1,071	10,56,109	.....	.....	.....	10,56,109	.....	.....	.....	.....	.....	.....	.....
Bhagulpore Division.																		
32	Monghyr ...	78,945	.....	396	396	1,38,549	.....	.....	.....	1,38,549	.....	.....	.....	.....	.....	.....	.....
33	Bhagulpore ...	58,560	.....	.....	.....	1,28,027	.....	.....	.....	1,28,027	.....	.....	.....	.....	.....	.....	.....
34	Purneah ...	87,128	.....	1,438	1,438	78,905	.....	.....	.....	78,905	.....	.....	.....	.....	.....	.....	.....
35	Maldah ...	82,264	.....	.....	.....	28,215	.....	.....	.....	28,215	.....	.....	.....	.....	.....	.....	.....
	Total ...	3,06,897	.....	1,834	1,834	3,73,696	.....	.....	.....	3,73,696	.....	.....	.....	.....	.....	.....	.....
Orissa Division.																		
36	Cuttack ...	9,828	.....	190	190	57,674	.....	.....	.....	57,674	.....	.....	.....	.....	.....	.....	.....
37	Balasore ...	16,062	.....	.....	.....	32,724	.....	.....	.....	32,724	.....	.....	.....	.....	.....	.....	.....
38	Pooree ...	12,315	.....	.....	.....	31,378	.....	.....	.....	31,378	.....	.....	.....	.....	.....	.....	.....
	Total ...	33,833	.....	190	190	1,21,776	.....	.....	.....	1,21,776	.....	.....	.....	.....	.....	.....	.....
	GRAND TOTAL ...	18,28,843	9,365	6,580	15,945	34,29,510	.....	.....	3,055	34,32,574	4	605	609	.....	.....	.....	3,34

* This was credited to the District Fund Account under the

XIX—EDUCATION.

SCHOOL FEES.										MISCELLANEOUS.										INCOME FROM MISCELLANEOUS.									
Training and special schools.																													
High schools.																													
Middle schools.																													
Primary schools.																													
Total.																													
Contributions.																													
Sale proceeds of books.																													
Miscellaneous.																													
Total.																													
Total.																													
Hospital and dispensary receipts.																													
Medicines sold by Civil Surgeons.																													
Endowment.																													
Contributions.																													
Sanitary fees and fines.																													
Other receipts.																													
Total.																													
Total.																													

DEBAY

1

[illegible]

Statement showing the Expenditure of the District Board.

Serial number.	Name of District Board.	Closing balance of last year.	Total income during the year.	1.—REFUNDS AND DRAW-BACKS.	15.—POST OFFICE.			18.—ADMINISTRATION.				20.—POLICE.			
				Local rate refunds.	District post establishments.	Mail-cart service.	Total.	GENERAL ESTABLISHMENTS OF LOCAL FUNDS.				CATTLE-POUND CHARGES.			
								Office establishment.	Office contingencies.	Payment of establishments for offices of accounts, control, and audit.	Total.	Establishments.	Contingencies.	Refunds of cattle-pound collections.	Total.
Burdwan Division.															
1	Burdwan	57,463	2,55,067					4,127	986	1,895	7,008				5
2	Bankoora	34,723	1,49,536					2,233	567	760	3,560		9		
3	Beerbhoom	29,194	95,116					2,798	146	995	3,939	50	32		64
4	Midnapore	6,283	2,98,161					5,462	705	2,671	8,838	180	22		12
5	Hooghly	54,826	1,98,439					4,787	467	1,602	6,856	300	8		24
6	Howrah	49,514	62,332					2,455	206	858	3,519		36		
	Total	1,62,537	10,54,251					21,862	3,077	8,781	33,720	630	105		105
Presidency Division.															
7	24-Pergunnahs	55,943	2,57,043					4,238	1,413	2,198	7,848	84	27		
8	Khootna	27,905	86,534					2,985	806	1,214	5,005		61		
9	Nuddea	25,083	1,08,763	8,865				2,895	1,396	1,733	6,024	300	124		31
10	Jessore	27,324	1,65,902					4,198	2,482	1,981	8,661	240	127		
11	Moorshedabad	15,937	98,509	5,258				3,518	881	1,394	5,793		102		81
	Total	1,62,192	7,16,751	11,123				17,834	6,977	8,520	33,331	624	441		112
Rajshahye Division.															
12	Dinagopore	47,061	1,22,591					2,080	438	1,540	4,058		38		1
13	Rajshahye	30,824	1,14,345					3,013	474	1,499	4,986	234	50		
14	Ranipore	20,150	2,18,730					6,542	1,846	2,566	10,954				24
15	Bogra	56,340	63,673					1,332	372	1,036	2,740	35			
16	Pubna	46,077	94,701					3,354	695	1,171	5,120	1,096	237		16
17	Julpigoree	19,583	1,24,020					1,367	2,047	1,133	4,547	300	160		
	Total	2,20,003	7,38,060					17,688	5,782	8,945	32,415	1,065	505		41
Dacca Division.															
18	Dacca	48,379	1,45,007					4,702	1,711	1,879	7,992	355	87		20
19	Furreedpore	458	1,30,065					2,586	739	933	4,258				
20	Backergunge	62,962	1,38,620					4,269	583	1,526	6,378				
21	Nymensing	1,48,131	2,40,755					5,562	1,033	3,335	9,930		226		200
	Total	2,50,930	6,74,947					17,119	4,066	7,373	28,558	355	407		220
Chittagong Division.															
22	Tipperah	62,880	1,90,338	75				13,036		1,602	4,638	300	127		
23	Nonchally	70,436	1,31,060	1,824				1,696	223	1,490	3,409	360	105		13
24	Chittagong	1,01,606	1,81,780					5,004	761	2,015	7,780	54			80
	Total	2,43,922	5,02,028	1,999				9,736	984	5,107	15,827	714	232		43
Patna Division.															
25	Patna	1,20,486	2,10,982					11,178	1,012	3,086	15,276	15	189		
26	Gya	55,275	2,30,800					11,596	1,024	2,096	15,676	159	211		163
27	Shahabad	78,516	1,53,506	500				7,445	333	2,394	10,172	81	75		
28	Darbhanga	70,158	5,12,323	11				8,679	802	3,732	13,213	10			7
29	Mozufferpore	6,161	2,67,984					4,620	628	2,378	7,626		24		
30	Saran	94,837	2,38,939					8,403	1,102	1,493	11,058	2,417	1,486		43
31	Chumpran	3,982	1,20,135					2,692	364	1,556	4,512	4,241	2,360		6
	Total	4,44,415	17,43,660	511				54,513	5,385	17,635	77,533	6,023	4,346		218
Bhagulpore Division.															
32	Monghyr	78,945	1,83,529	8				4,393	1,416	2,627	8,336	19	93		
33	Bhagulpore	58,560	1,90,312					3,330	2,018	2,311	7,659	77	156		18
34	Purneah	87,128	1,36,550					3,402	1,366	1,863	6,571		4		98
35	Maidah	82,264	56,713					2,260	712	1,088	4,060				
	Total	3,00,897	5,67,104	8				13,385	5,492	7,789	26,626	96	253		116
Orissa Division.															
36	Cuttack	9,858	1,35,844					2,085	940	1,089	4,123	2,891	1,043		
37	Bainsore	16,662	78,108					2,090	656	630	3,376	1,395	150		5
38	Pooree	12,315	55,591					2,448		676	3,024	55			
	Total	38,835	2,69,543					6,623	1,605	2,395	10,523	4,341	1,193		5
	GRAND TOTAL	18,28,845	62,73,403	13,001				1,58,760	33,328	66,445	2,68,533	15,248	7,481	860	334

24-MEDICAL

10

26.—SCIENTIFIC AND OTHER MINOR DEPARTMENTS.

20.-SUPER-
ANNATION
ALLOWANCES
AND PEN-
SIONS.

30.—STATIONERY AND PRINTING.

PUBLIC EXHIBITIONS AND
FAIRS.[illegible]

[illegible]

III.

during the year ending 31st March 1890.

CONTRIBUTIONS.			DEBT.		INTEREST ON DEBT.			BALANCE.				REMARKS.
To other boards.	Total.	Payment of loans.	Deposits and advances.	Total.	On account of last year.	On account of current year.	Total.	Total expenditure.	Deposits.	Actual balance.	Total.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
5,068	5,068		5,068	5,068				2,13,115	14,975	85,040	1,00,015	
4,031	4,031		4,031	4,031				1,06,208	1,243	7,362	8,605	
16,224	16,224		16,224	16,224				1,00,796	4,362	19,152	23,514	
16,477	16,477		16,477	16,477				2,50,952	14,097	34,305	48,492	
7,953	7,953		7,953	7,953				2,14,519		38,746	38,746	
574	574		574	574				61,239	382	50,225	50,607	
			50,357	50,357				9,46,829	35,059	2,34,920	2,69,979	
			7,416	7,416				2,68,891	10,908	41,187	52,095	* Transferred from the head "Public works."
			14,045	14,045				1,05,341	4,773	4,325	9,098	
			7,327	7,327				1,17,908	9,077	6,861	15,938	
			7,017	7,017				1,52,769	6,783	53,074	40,457	
			5,792	5,792				1,03,785		10,661	10,661	
			41,597	41,597				7,40,694	31,541	96,708	1,28,249	
			10,554	10,554				1,19,847	6,811	42,994	49,805	
			28,079	28,079				1,28,871	3,465	12,893	16,358	
			28,847	28,847				1,88,300	13,510	37,060	50,570	
			4,063	4,063				77,351	2,908	39,754	42,662	
			8,176	8,176				87,855	6,611	46,312	52,923	† Excludes charges amounting to Rs. 8,951 on account of steamer service.
			9,205	9,205				1,28,494	8,817	6,292	15,109	
			88,924	88,924				7,30,718	42,123	1,85,305	2,27,427	
			18,346	18,346				1,52,593	6,730	54,654	41,393	
			10,535	10,535				93,921		36,602	36,602	
			2,367	2,367				1,46,746	7,802	46,934	54,736	
			18,909	18,909				3,14,697	30,963	57,226	94,189	
			50,217	50,217				7,07,957	51,504	1,75,416	2,26,920	
			610	610				1,24,511	5,332	1,29,273	1,34,605	‡ Includes office contingencies.
			11,974	11,974				1,10,520	6,568	90,411	96,979	§ Includes Rs. 1,732 paid as subsidies to steamer companies for steamer and boat service.
			27,061	27,061				1,16,118		1,70,217	1,70,217	
			39,645	39,645				3,51,140	11,900	3,89,901	4,01,801	
			8,927	8,927				2,46,414	5,665	88,389	94,054	
			20,668	20,668				2,11,930	7,890	66,255	74,145	
			12,194	12,194				1,72,838	7,838	51,346	59,184	
			1,49,937	1,49,937				5,58,274	11,641	18,566	30,207	
			42,120	42,120				2,57,040	3,652	13,453	17,105	
			49,896	49,896				2,65,352	13,731	54,698	68,424	
			14,849	14,849				1,14,893	500	17,724	18,224	
			2,08,591	2,08,591				18,26,741	50,917	3,10,426	3,61,343	
			7,032	7,032				2,16,316	2,807	43,351	46,158	
			27,309	27,309				1,94,393	12,143	42,396	54,479	
			12,068	12,068				1,32,847	1,367	89,464	90,831	
			3,114	3,114				1,06,119	6,742	26,116	32,868	
			50,183	50,183				6,49,075	23,059	2,01,267	2,24,326	
			5,593	5,593				1,00,789		44,913	44,913	
			183	183				61,777	1,942	28,211	30,653	
								52,911		14,995	14,995	|| There was refund of Rs. 648-1.
			5,746	5,746				2,18,477	1,942	88,119	89,061	
			6,25,200	6,25,200				61,73,240	2,47,944	16,82,082	19,50,006	

* Transferred from the head "Public works."

† Excludes charges amounting to Rs. 3,951 on account of steamer service.

‡ Includes office contingencies.
§ Includes Rs. 1,720 paid as subsidies to steamer companies for steamer and boat service.

|| There was refund of Rs. 648-1.

Rajshahye	1	38 0 0							298 0 0									Khetoor	196 0 0	Removal of silt at the mouth of the Narad Khal and other drainage works.	350					
Rangpore			10	280 0 0					280 0 0											Improvement of the drainage of the town of Rangpore and Mygunge. The old channel of the Ghagot river, which passes through the town, has been re-levelled, straightened and improved, and a sluice is to be constructed at the head to regulate the supply from the flowing Ghagot. The work is in progress, and the total cost is estimated at Rs. 60,000. The money has been contributed partly by the District Board, partly by the Municipality, and partly by private contribution.	60,000					
Pabna	1	2,050 0 0	4	55 0 0					2,105 0 0*																	
Dacca																		I. Kartic Barui fair II. Nangal-band fair.	531 4 11 48 8 2							
Furreedpore	8	1,533 0 0			4 tanks	634 0 0			2,167 0 0										579 13 1							
Backergunge	1† 2†	1,247 8 0† 400 0 0	1† 2	257 11 6 263 6 1	{ 1 tank†				2,168 9 7																	
Mymensingh	3		10		1	100 0 0			5,267 0 0	107 Village road.	9,231								9,331							
Tipperah	5	454 0 0							454 0 0																	
Noakhally	3	3,643 0 0							3,643 0 0																	
Chittagong					2 tanks cleared in Cox's Bazar subdivision.	750 0 0			750 0 0																	
Patna			1	34 0 0	{ 2 wells 1 tank }	292 0 0 82 0 0			408 0 0	1	103								103	1	** 278	Phalwari	25 0 0	Signboards at wells set apart for drinking purposes.	27	** Details not furnished.
Shahabad					121 wells	495 12 0			495 12 0		65	361	361													This expenditure is shown in the accounts under "repairs."
Durbhunga																										No arrangement could be made for village sanitation.
Sarun																										
Banur																										
Monghyr			21	4,510 0 0	Wells	670 0 0			5,180 0 0	10	452															†† No account is kept of the number of wells repaired or cleaned.

**RESOLUTION ON THE ADMINISTRATION REPORT OF THE
HOWRAH BRIDGE FOR THE YEAR ENDING
ON THE 31ST MARCH 1890.**

No. 3219 Marine.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

RESOLUTION.

Dated Calcutta, the 29th November 1890.

READ—

Administration Report of the Howrah Bridge for the year ending on the 31st March 1890.

Read again—

Public Works (Marine) Proceedings (A.) for January 1890, Nos. 1 to 3, being the Administration Report of the Howrah Bridge for 1888-89, together with the Resolution recorded thereon.

The actual receipts and expenditure of the Bridge during the year under review, as compared with those of the previous nine years, are shown in the subjoined statement:—

PARTICULARS.	1889-90.	1888-89.	1887-88.	1886-87.	1885-86.	1884-85.	1883-84.	1882-83.	1881-82.	1880-81.
RECEIPTS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Receipts from Railway traffic	1,19,727	1,28,985	2,01,638	4,02,495	3,53,210	2,89,125	3,79,501	3,25,556	3,00,038	2,56,251
Ditto local do.	.....	94,000	1,27,253	1,40,740	1,40,687	1,28,301	1,22,200	1,11,813	1,10,950	99,067
Ditto hire of steamer	57	996	419	489	470	446	937	2,219	1,951	2,032
<i>Helvetia</i> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Receipts from hire of steamer	14	27	132	.....	.....	100	.....	1,841	4,700	6,211
<i>Howrah or Buckland</i> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Interest on Government Securities	32,182	26,566	24,056	42,088	20,763	22,174	22,174	21,089	12,960	11,062
Proportion of rent of Head Office	582	487	528	528	523	527	574	580	652	652
Sale of engines and boilers of steam-ferry <i>Howrah</i> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,537
Miscellaneous	532	2,096	512	737	646	814	221	942	1,102	363
Proportion of earnings of steam-tug <i>Hetty</i>	1,770	8,515	13,038	9,393	11,102	17,372	11,088	21,641	13,256	12,636
Rent of bridge approach land	2,962	3,014	2,693	1,876	2,611	1,557	.....	.....	.....	.....
Total	1,68,826	2,64,716	4,69,269	5,98,256	5,30,012	4,60,416	5,30,695	4,85,681	4,54,627	3,93,741
EXPENDITURE.										
Interest on loans	7,611	7,659	9,456	43,989	79,899	32,082	64,984	76,070	81,186	84,519
Proportion of salaries—Control	12,323	10,209	10,308	15,896	12,733	11,459	12,018	10,402	10,560	11,668
Salaries	32,791	32,591	32,383	32,310	32,254	31,764	31,584	32,114	32,130	32,064
Working expenses	20,427	42,708	18,020	14,140	16,872	14,270	13,956	11,467	13,862	19,157
Repairs	36,983	42,607	38,962	50,073	29,213	47,500	32,087	34,137	32,412	12,315
Steamer <i>Howrah or Buckland</i>	16,645	19,751	14,879	15,347	15,464	16,979	13,646	14,885	19,045	23,646
Proportion of municipal taxes of officers' quarters, store-yard, and Police quarters and repairs to buildings	3,542	7,952	5,171	3,615	9,950	10,809	8,141	1,490	1,644	1,211
Miscellaneous	.....	.....	.....	.....	.....	112	1,322	.....	.....	7,080
Proportion of establishment, &c., of steam-tug <i>Hetty</i>	11,074	10,560	11,052	12,231	10,032	10,667	11,384	11,209	12,064	8,369
Contribution for overbridge at Howrah	.....	.....	.....	.....	.....	.....	.....	.....	25,000	.....
Renovations	.....	25,694	7,846	2,415	7,608	14,623	2,400	2,674	5,648	.....
Proportion of salary of Traffic Manager	275	4,000	4,500	.....	.....	.....	.....	.....	.....	.....
Total	1,41,771	2,04,241	1,52,607	1,87,021	2,14,925	1,90,346	1,91,721	1,94,545	2,34,152	2,00,019
Net revenue	27,055	60,475	3,07,662	4,11,235	3,15,087	2,70,070	3,44,974	2,91,136	2,20,475	1,93,722
GRAND TOTAL	1,68,826	2,64,716	4,60,269	5,98,256	5,30,012	4,60,416	5,30,695	4,85,681	4,54,627	3,93,741

2. The Committee appointed by the Government in January 1888 to consider the revised scale of tolls and fees which should be levied after the Bridge debt had been paid off, estimated that the annual income of the Bridge, after the abolition of the local tolls and the exemption of rice, grain, pulses, seeds and salt from the payment of the terminal charge, would amount to Rs. 1,57,597. The result of the year, which was the first complete year in which the abolition of the local tolls and the terminal charge on the staples of traffic mentioned had effect, shows that the actual receipts exceeded the estimate of the Committee by Rs. 11,229.

3. The net revenue of the year under review amounted to Rs. 27,055, making with the net revenue of previous years a total net revenue of Rs. 34,27,558.

The following statement shows how this amount has been appropriated:—

	To end of 1888-89. Rs.	In 1889-90. Rs.	Total Rs.
Sinking Fund paid to Government on the Bridge debt	22,41,800	.....	22,41,800
Proportion of Sinking Fund on consolidated loan due to Government for Head Office and officers' quarters paid to Government	10,933	1,093	12,026
Proportion of Sinking Fund on debenture loans set aside with the Trustees of the Commissioners' Debenture Loan Account	14,096	2,152	16,248
Reserve Fund	7,71,978	.....	7,71,978
Pontoon Renewal Fund	.....	48,246	48,246
Contribution for the following new works as detailed in Report for 1884-85:—			
Flat <i>Hourah</i>	20,000	.....	.....
Reserve Section	8,000	.....	.....
Tug-steamer <i>Hetty</i>	1,35,642	.....	.....
Ferry-steamer <i>Buckland</i>	1,23,374	.....	.....
Police quarters	16,573	.....	.....
Office machinery and tools for workshop	13,321	.....	.....
Gearing for drawbridge	891	.....	.....
Two iron buoy boats for floating fenders	2,424	.....	3,20,225
	33,59,032	51,491	34,10,523
Balance	.....	.....	17,035
Total	.....	.....	34,27,558

4. The Bridge was kept in good order during the year, and the sum of Rs. 48,246 was set aside for expenditure when necessary hereafter in renewing the pontoons.

5. During the year the Commissioners were in communication with the Corporation of Calcutta on the subject of the loan of Rs. 2,00,000 from the Bridge reserve fund to be applied towards meeting the interest on the capital expended on the new Central Road leading from the Bridge to Sealdah. The money had, however, not been paid to the Corporation when the year closed.

6. The Bridge was opened for the passage of vessels on 138 occasions, including 34 special Sunday openings. The following statement shows the number and description of vessels which passed through the opening:—

	1889-90.	1888-89.	1887-88.	1886-87.	1885-86.	1884-85.	1883-84.	1882-83.
Sea-going vessels	362	380	331	295	366	405	469	442
Inland steamers and flats	941	878	899	848	1,102	944	733	604
Steam-tugs	491	456	397	387	406	342	361	409
Port Commissioners' vessels	53	20	46	56	69	56	58	42
Government steamers and flats	16	7	6	10	6	10	.....	.....
Total	1,863	1,741	1,679	1,596	1,949	1,755	1,631	1,557

7. No sea-going vessels collided with the Bridge in passing through the opening, but there were 115 collisions of other vessels, as compared with 91 and 63 during the previous two years. The increase is attributed to the exceptionally strong freshets and eddies of the year under review. Of the 106 cargo and passenger boats which collided with the Bridge, 14 were sunk. One life was lost—that of a man who jumped overboard as his boat was about to collide with the Bridge.

ORDER.—Ordered that a copy of this Resolution be forwarded to the Bridge Commissioners for information.

Ordered also that this Resolution be published in the Supplement to the *Calcutta Gazette* for general information.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, Col., R.E.,
Secretary to the Government of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 29th November 1890.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
<i>Western Districts.</i>			
BURDWAN DIVN.	1 Burdwan Nov. 29, '90	Nil	Weather—bright and cold. All crops as good, and all agricultural operations as advanced, as possible. Prices of common rice :— <div style="display: flex; justify-content: flex-end; align-items: center;"> <div style="text-align: right;"> Srs. Burdwan ... 16½ Culna ... 16 Cutwa ... 18½ Ranigunge ... 17 </div> <div style="font-size: 2em; margin: 0 10px;">}</div> <div>per rupee.</div> </div>
	2 Bankoora „ 29, '90	Nil	Weather—seasonable. Prospects of <i>amun</i> rice continue good. Reports from mofussil as to extent of damage to <i>rubbi</i> crops by locusts not yet received. Common rice selling at 20 seers per rupee at Sudder and 19 seers at Bissenpore.
	3 Birbhum „ 29, '90	Nil	Clear and fine weather. Harvesting of the crops is in progress, and the outturn is a bumper one. Price of coarse rice from 17 to 24½ seers per rupee.
	4 Midnapur „ 29, '90	Nil	Weather—fine and dry; nights cold. <i>Amun</i> paddy is being reaped with an average outturn of about 12 annas. Young <i>rubbi</i> crops have suffered slightly from a flight of locusts in parts of the Sudder and Ghatal subdivisions. Prices of common rice :— <div style="display: flex; justify-content: flex-end; align-items: center;"> <div style="text-align: right;"> Srs. Sudder ... 16 Tumlook ... 16 Ghatal ... 16 Contai ... 18 </div> <div style="font-size: 2em; margin: 0 10px;">}</div> <div>per rupee.</div> </div>
	5 Hooghly „ 29, '90	Nil	Cold weather set in, though at times close in the day. Outturn of <i>amun</i> expected to be almost a bumper one. Winter crops are good, but locusts have turned up here and there and are doing slight damage to them. Prices of common rice :— <div style="display: flex; justify-content: flex-end; align-items: center;"> <div style="text-align: right;"> Srs. Sudder ... 13½ Serampore ... 13½ Jehanabad ... 16½ </div> <div style="font-size: 2em; margin: 0 10px;">}</div> <div>per rupee.</div> </div>
	6 Howrah „ 29, '90	Nil	Weather—seasonable. <i>Amun</i> crop is being harvested. Prospect of harvest good. Price of common rice 14 to 14½ seers per rupee.
PRESIDENCY DIVN.	<i>Central Districts.</i>		
	7 24-Perghs. Dec. 2, '90	Nil	Weather—seasonable. Prospects of crops good. Harvesting of <i>amun</i> and sowing of winter crops still going on. Another flight of locusts passed over parts of the Barrackpore, Baraset, and Russirhat subdivisions during the week, doing slight damage to the <i>rubbi</i> crops in Baraset. Any damage done elsewhere not yet reported. Prices stationary.
	8 Nuddea Nov. 29, '90	Nil	Weather—seasonable. Harvesting of <i>amun</i> going on. Winter crops doing well.
	9 Khoolna „ 29, '90	Nil	Weather—seasonable. Harvesting of <i>amun</i> commenced. Prospects favourable except in flooded area.
	10 Jessore „ 29, '90	Nil	Weather—seasonable. Harvesting of <i>amun</i> going on. <i>Rubbi</i> crops doing well. Locusts appeared in the Narail and Sudder subdivisions and did much damage to the <i>rubbi</i> crops in the latter. Agricultural loans are still being issued where they are urgently needed. Price of rice steady.
RAJSHAHY DIVN.	11 Moorshedabad „ 29, '90	Nil	Weather—cool. <i>Amun</i> is being reaped. <i>Rubbi</i> is still being sown. Prospects good.
	12 Dinagepur „ 29, '90	Nil	Weather—seasonable. Prospects of <i>amun</i> and sugarcane good. <i>Amun</i> expected to be a 16-anna crop. Price of rice as before.
	13 Rajshahye „ 29, '90	Nil	Fair weather, and nights and evenings rather cold. Harvesting of early <i>amun</i> going on. Condition of <i>ganja</i> plants and sugarcane good. Transplantation of tobacco plants not yet completed. Preparation of land for winter crops in progress.
	14 Rungpur „ 29, '90	Nil	Clear cold weather. <i>Amun</i> harvest has begun and promises to be a full average one. Tobacco and potatoes coming on well. Sugarcane ripening.
	15 Bogra „ 29, '90	Nil	Weather—seasonable. State and prospects of crops favourable. Harvesting of winter rice and sugarcane has begun in some places. Common rice selling at 15 seers per rupee.
	16 Pubna „ 29, '90	Nil	Weather—seasonable. Prospects of standing crops continue good. Mustard and tobacco are still being sown. Prices lower than before.
	17 Darjeeling „ 29, '90	Nil	Weather—bright. Mornings and evenings cold. In the Terai mustard is in blossom in many places; potatoes, tobacco, and rice doing well. In the Hills <i>bhutta</i> has been harvested and <i>marua</i> is being harvested. Prospects good.
	18 Julpigoree „ 29, '90	Nil	Weather—getting cool. Harvesting of <i>haimanti</i> rice commenced in places. Sowing of mustard and tobacco going on. Prices continue stationary.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
RENGAL.—concluded.			
Eastern Districts.			
Dacca Divn.	19 Dacca Nov. 29, '90	Nil	Weather—seasonable. Harvesting of <i>amun</i> going on. Tobacco and chillies are being planted. Mustard, <i>mung</i> , and <i>maskalai</i> thriving. <i>Khesari</i> and <i>matar</i> are being sown. Fodder is available. Common rice sold at from 13 to 16 seers per rupee.
	20 Furreedpur „ 29, '90	Nil	Weather—seasonable. State of crops fair. Harvesting of <i>amun</i> paddy in progress. Enquiry is being made regarding damage done to the pulses by locusts in the Sudder subdivision. Common rice selling at from 14 to 17 seers per rupee.
	21 Backergunge „ 29, '90	Nil	Weather—cold and seasonable. State and prospects of crops good. Harvesting of <i>amun</i> has commenced. Common rice selling at 13½ seers per rupee.
	22 Mymensingh „ 29, '90	Nil	Weather—almost all the mornings of the week were foggy. Cold season has set in. Prospects of <i>amun</i> paddy generally excellent. Paddy on high lands being reaped. <i>Rubbi</i> sowings not yet over. Coarse new rice sells at 16 seers per rupee.
CHITTAGONG DIVN.	23 Chittagong Dec. 2, '90	Nil	Weather—seasonable. Cultivation of vegetable crop continues. Harvesting of early winter rice in progress. State and prospects of <i>amun</i> very good. Prices stationary.
	24 Noakholly Nov. 29, '90	Nil	Weather—seasonable. Reaping of <i>amun</i> going on. <i>Rubbi</i> crops progressing. Prospects good.
	25 Tipperah „ 29, '90	Nil	Weather—cold and sunshiny. <i>Amun</i> paddy is being cut; a full outturn is expected. Cold-weather crops—mustard, chillies, &c.—are being sown.
	26 Chittagong Hill Tracts. „ 27, '90	Nil	Weather—seasonable with foggy mornings. Harvesting of cotton continues. Late plough-paddy ripening. Sowing of mustard nearly over. Lands are being ploughed for tobacco and chillies. Common rice being sold at 11 seers 6½ chittacks per rupee.
BEHAR.			
PATNA DIVN.	27 Patna Nov. 29, '90	Nil	Weather—cool. Paddy being harvested. <i>Rubbi</i> and poppy sowings finished, and prospects continue favourable. Cotton and <i>rahar</i> doing well. Prices of food-grains almost stationary.
	28 Gya „ 29, '90	Nil	Weather—cold and seasonable. Harvesting of paddy going on. Prospects of <i>rubbi</i> and poppy good. Prices of food-grains stationary.
	29 Shahabad „ 29, '90	Nil	Weather—bright and cool with light west winds. Harvesting of paddy is being pushed on. Prospects of <i>rubbi</i> and opium excellent.
	30 Durbhunga „ 29, '90	Nil	Weather—seasonable. Harvesting of rice going on. <i>Rubbi</i> looks promising. Poppy sowing almost completed and plants reported to be healthy. Tobacco and <i>alua</i> doing well. Price of common rice varying from 14 to 16 seers per rupee.
	31 Mozufferpur „ 29, '90	Nil	Weather—seasonable. Prospects of all crops continue excellent. Weather has been most favourable for the poppy crop.
	32 Sarun „ 29, '90	Nil	Weather—seasonable. <i>Rubbi</i> and poppy sowings still going on; prospects excellent. Sugarcane has attained its maturity and pressing will shortly commence.
BHAGULPORE DIVN.	33 Champaran „ 29, '90	Nil	Weather—fair and cool. <i>Rubbi</i> sowings have freely germinated, and are coming on well. Harvesting of paddy has commenced; estimated outturn 16 annas.
	34 Monghyr „ 29, '90	Nil	Weather—seasonable. Harvesting of winter rice has commenced in places. <i>Rubbi</i> sowings nearly finished. Early sowings growing well.
	35 Bhagulpore „ 29, '90	Nil	Weather—seasonable. All crops doing well. Sowings of linseed are up to average. Rice crop promises to be a bumper one.
	36 Purneah „ 29, '90	Nil	Weather—nights cool; sun still hot in day. <i>Kurthi</i> and <i>kalai</i> being reaped. State of crops continues good.
	37 Maldah „ 29, '90	Nil	Weather—seasonable. Some of the winter rice is ripe, and the harvest has begun. <i>Kalai</i> , mustard, wheat, barley, &c., are thriving very well. Common rice selling at from 13 to 18 seers per rupee.
	38 Sonthal Pergas. „ 29, '90	Nil	Weather—seasonable. Rice harvest going on briskly with good outturn. Prospects of spring crops excellent except where damaged by locusts.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.			
ORISSA DIVN.	39 Cuttack Nov. 29, '90	Nil	Weather—seasonable. Harvesting of <i>laghu sarad</i> continues. Planting of tobacco has just commenced.
	40 Pooree „ 27, '90	Nil	Weather—seasonable. Late <i>sarad</i> ripening. <i>Laghu sarad</i> being harvested. Miscellaneous crops doing well. Price of common rice 21 to 27 seers per rupee.
	41 Balasore „ 29, '90	Nil	Weather—seasonable. Winter rice being harvested. <i>Rubbi</i> crops promise well in the Bhuddruck subdivision.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
CHOTA NAGPORE DIVN.	42 Hazaribagh Nov. 29, '90	Nil	Weather—clear and cold. Harvesting of winter rice continues; outturn 16 annas almost everywhere expected. <i>Rubbi</i> crops doing well. Poppy sowings completed; prospect seems to be good.
	43 Lohardugga „ 29, '90	Nil	Weather—seasonable. Rain is badly wanted for <i>rubbi</i> . Harvesting of winter rice is being carried on vigorously.
	44 Singbhoom „ 29, '90	Nil	Weather—seasonable. Harvesting of rice continues with a splendid outturn everywhere. <i>Rubbi</i> crops favourably reported on from all quarters. Price of rice stationary.
	45 Manbhoom „ 29, '90	Nil	Weather—seasonable. Harvesting of paddy continues vigorously. Outturn of <i>jarin tussur</i> good. Rice selling at from 20 to 25 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 2nd December, 1890.P. NOLAN,
Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 23rd to 29th November 1890.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour pressure.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
		°		Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
Nov.	23rd	132.3	9.0	30.083	71.0	79.4	18.1	61.3	65.7	0.564	62.4	76	NNE and calm ..	59	Nil	Chiefly clear, <i>P.</i>
"	24th	133.3	8.4	.064	69.7	78.4	18.1	60.3	64.2	.530	60.6	74	N by E, NNW and calm.	50	"	Chiefly clear.
"	25th	132.0	5.6	.044	68.0	77.0	17.3	59.7	63.6	.530	60.6	79	NNE and calm ...	34	"	Partially condy. <i>P., =.</i>
"	26th	131.5	9.5	.021	68.0	77.8	20.0	57.8	63.1	.514	59.7	76	N and calm ...	24	"	Chiefly clear, <i>P., =.</i>
"	27th	134.5	9.6	.015	68.0	78.7	20.4	58.3	62.8	.504	59.2	74	NNW and calm ...	23	"	Clear, <i>P.</i>
"	28th	131.1	8.7	.033	67.1	77.3	19.2	58.1	62.8	.518	59.9	79	NNE and calm ...	37	"	Chiefly clear, <i>P.</i>
"	29th	132.4	9.2	.052	67.7	77.7	19.5	58.2	63.6	.535	60.8	79	NNE and calm ...	27	"	Clear, <i>P.</i>

The mean pressure of the seven days 30.045
 The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 30.002

The total number of hours of bright sunshine 60.0
 The maximum possible number of hours of sunshine 76.2

The mean temperature of the seven days 68.5
 The average temperature of the corresponding period for 24 years, S.-G.'s Office 71.5
 The extreme variation of temperature 21.6
 The maximum temperature 79.4

The highest velocity of the wind in one hour 8
 The highest pressure of wind on one square foot ?

The mean relative humidity 77
 The average relative humidity of the corresponding period for 24 years, S.-G.'s Office 71

The total fall of rain from 23rd to 29th November 1890 Nil
 The average fall of the corresponding period for 24 years, S.-G.'s Office ... 0.01

The total fall from 1st January to 29th November 1890 61.25
 The average fall of the corresponding period for 24 years, S.-G.'s Office ... 65.15

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

P. dew, *=* fog.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 1st December 1890.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.		STATION OBSERVATIONS.														
		DISTRICT.	Representative station.	AIR PRESSURE.			WIND.		TEMPERATURE.							
				Mean barometric height, 8 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.
ORIGINAL.	SOUTH-WEST BENGAL.	Pooree	Pooree	30.101	30.114	—	NNW	165	83.2	23rd Nov.	62.6	26-28 Nov.	81.9	63.0	73.5	—
		Gopalpore	Gopalpore	30.106	30.128	+1.02	NNW	243	81.2	24th "	60.9	27, 28 "	80.4	63.0	71.7	-1.1
		False Point	False Point	30.095	30.118	+0.07	NNW	147	81.4	23rd "	56.5	29th "	79.9	58.8	69.4	-2.3
		Cuttack	Cuttack	30.054	30.139	+0.08	Calm		84.3	23rd "	59.3	27, 28 "	85.2	61.2	72.2	-1.7
		Balasore	Balasore	30.082	30.144	+0.082	Northerly & Calm	61†	82.4	22, 23 "	55.5	26- "	8	57.8	69.3	-0.5
		South-West Midnapore	Saugor Island	30.095	30.122	+0.073	NNE	219	80.2	23, 24 "	60.4	27 "		62.3	70.6	+0.2
		Midnapore	Midnapore	29.979	30.137	+0.066	N	120	83.3	22, 23 "	56.2	27 "	4	60.2	70.9	+0.8
		24-Pergunnahs	Calcutta	30.103	30.125	+0.070	Calm	34	80.5	22nd "	57.8	28th "	78.8	59.6	69.2	-1.4
		Howrah	Howrah													
		Hoochly	Hoochly													
SOUTH-WEST BENGAL.	SOUTH-WEST BENGAL.	Burdwan	Burdwan	30.040	30.146	+0.079	N	41	84.5	22nd "	58.9	27th "	81.0	61.1	71.1	+0.1
		Bankoora	Bankoora	29.808	30.128	+0.068	W	53	82.1	22, 23 "	56.3	28th "	80.9	58.3	69.6	-2.0
		Beerbhoom	Raneegunge	29.805	30.157	+0.084	North-Westerly	47	7	22, 24 "	56.1	23th "	80.6	58.1	69.4	-0.9
		West Burdwan	West Burdwan													
		Moorsheadabad	Berhampore	30.056	30.126	+0.061	North-Westerly	40	80.6	22, 23 "	59.2	26-28 "	79.2	61.3	70.3	-0.4
		Nudda	Krishnagur	30.075	30.126	+0.077	Northerly	62	83.3	24th "	55.5	27th "	81.6	57.9	69.8	-1.8
		Jessore	Jessore	30.084	30.119	+0.077	Calm	9	81.7	23, 24 "	58.5	26-28 "	81.1	60.4	70.8	-2.2
		Khoolna	Khoolna													
		Chittagong	Chittagong	30.006	30.100	+0.075	NW		84.2	22nd "	?	?	81.9	?	?	?
		Chittagong Hill Tracts	Demagiri						Observations not received.							
EAST BENGAL.	EAST BENGAL.	Backergunge	Barrisal	30.078	30.091	+0.081	Calm	31	81.8	22nd Nov.	59.1	25, 27 "	79.8	60.7	70.3	-1.1
		Noakholly	Noakholly	30.057	30.103	+0.089	N	65	83.0	28th "	58.0	25, 28 "	81.4	59.4	70.4	-0.7
		Furreedpore	Furreedpore	30.080	30.121	+0.091	Calm	23	80.0	23rd "	58.5	26th "	77.6	60.2	68.9	-1.3
		Dacca	Dacca	30.071	30.094	+0.061	North-Easterly	66	83.1	22nd "	58.8	27th "	81.8	60.0	71.4	-1.4
		Commillah	Commillah	30.056	30.093	+0.067	N	11	83.4	22 & 28 "	56.5	27th "	82.0	58.5	70.3	-0.5
		Mymensingh	Mymensingh	30.053	30.114	+0.082	Easterly	32	80.6	23rd "	55.5	28th "	79.9	58.1	69.0	-2.6
		Bogra	Bogra	30.030	30.096	+0.084	NE	28	80.3	23rd "	55.4	27th "	79.4	58.4	68.9	-2.3
		Pubna	Serajgunge	30.061	30.110	+0.067	NE & N	19	81.0	23rd "	54.9	28th "	80.0	57.6	68.9	-1.4
		Rajshahye	Rampore Beau-leah.	30.045	30.117	+0.075	N	73	80.1	24th "	57.5	26th "	78.9	59.6	69.3	+0.9
		Maldah	Maldah	30.054	30.139	—	Northerly	82	81.3	23rd "	56.3	27, 28 "	79.8	58.4	69.1	—
NORTH BENGAL.	NORTH BENGAL.	Dinapore	Dinapore	29.996	30.124	+0.055	NE	?	81.1	22nd "	55.2	28th "	79.8	57.6	68.7	-0.2
		Rungpore	Rungpore	?	?	?	NNE	?	81.4	22nd "	55.4	28th "	79.7	57.6	68.7	+0.1
		Julpigoree	Julpigoree	29.840	30.144	+0.076	?	?	84.4	24th "	54.3	24th "	80.3	56.0	68.2	-0.2
		Cooch Behar	Cooch Behar													
		Darjeeling Hill Tracts	Darjeeling	23.118	—	+0.057	Variable	58	59.0	27th "	38.7	22 & 24 "	54.1	42.0	48.1	+1.4
		Purneah	Purneah	30.009	30.143	+0.074	Calm	18	80.2	22nd "	53.5	25 & 27 "	78.6	55.4	67.0	-0.8
		North Bhagulpore	North Bhagulpore													
		Mozufferpore	Mozufferpore	?	?	—	Calm	32	79.9	22nd "	55.3	28th "	79.3	59.7	69.5	—
		Durbhunga	Durbhunga	29.978	30.154	+0.056	Calm	29	80.9	22nd "	57.5	24-28 "	80.1	57.9	64.0	0
		Chumpran	Motihari	29.929	30.169	+0.104	WSW	49	81.2	22nd "	51.9	25 & 27 "	80.0	53.1	66.6	-0.7
SOUTH BENGAL.	SOUTH BENGAL.	Saran	Chupra	29.948	30.153	+0.083	Calm	13	79.8	22 to 24 "	60.9	26 & 28 "	79.2	62.1	70.7	+3.1
		Shahabad	Dehree	29.785	30.161	+0.062	SW	17	82.3	22nd "	53.0	27, 28 "	80.8	54.8	67.8	+1.7
			Ruxar	?	?	?	Variable	46	80.9	24th "	53.9	28th "	79.1	56.4	67.8	0
			Arrah	29.942	30.144	+0.071	Variable	3	81.1	23rd "	53.6	28th "	80.3	55.5	67.9	+0.3
		Gya	Gya	29.770	30.171	+0.071	S	110	81.9	22nd "	54.4	25th "	80.7	56.3	68.5	+1.9
		Patna	Bankipore	29.971	30.165	+0.064	Calm	30	79.7	22nd "	55.8	28th "	79.3	58.2	68.7	+1.7
		South Bhagulpore	Bhagulpore	39.971	30.141	+0.074	Calm	2	81.3	22nd "	54.5	25th "	79.7	56.5	68.1	+0.9
		Monghyr	Monghyr													
		Sonthal Pergunnah	Doomka	29.618	30.146	+0.072	NW	57	80.6	22, 23 "	54.1	25th "	79.3	56.1	67.7	-0.3
		Hazaribagh	Hazaribagh	28.082	30.171	+0.065	Calm	81	77.9	22nd "	53.2	28th "	76.0	54.8	65.4	+0.9
CHUTIA NAGPUR.	CHUTIA NAGPUR.	Lohardugga	Ranchee	27.948	30.155	+0.063	Calm	75	79.4	25th "	51.9	25th "	76.6	53.4	65.1	+1.5
		Manbhoom	Manbhoom													
SINGBHOM.	SINGBHOM.	Singbhoom	Chyabassa						Observations incomplete.							

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ten years. The humidity of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number in the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the same period in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 28th of November 1890.

				DISTRICT OBSERVATIONS.													
				OF WEEK.		RAINFALL.											
				Mean for district.	Normal mean.	Since 1st of month.			Since 15th May 1890.			Average number of rainy days.	Normal number of rainy days.	Representative station.	DISTRICT.		
						Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.						
87	4.3	Nil	Nil	0.13	1.82	2.13	-0.31	65.77	54.46	+11.31	0.0	0.3	Pooree	Pooree ...	ORISSA.		
77	1.0	Nil	Nil										Gopalpore	False Point			
87	4.7	Nil	Nil														
75	3.9	Nil	Nil	0.15	1.97	1.09	+0.88	63.64	50.89	+12.75	0.0	0.3	Cuttack	Cuttack ...	ORISSA.		
83	0.4	Nil	Nil	0.11	0.87	0.87	0	61.26	52.61	+8.65	0.0	0.2	Balasore	Balasore ...			
92	4.6	Nil	Nil	0.03	0.64	0.60	+0.04	66.29	61.60	+4.69	0.0	0.1	Sankor Island	South-West Midnapore			
77	0.9	Nil	Nil	0.03	Nil	0.20	-0.20	50.00	50.81	-0.81	0.0	0.1	Midnapore	Midnapore ...	SOUTH-WEST BENGAL.		
87	1.9	Nil	Nil	0.04	0.07	0.31	-0.24	55.16	50.87	+4.29	0.0	0.1	Calcutta	24-Pergunnahs ...			
77	1.1	Nil	Nil	0.01	0.25	0.31	-0.06	61.41	46.13	+15.28	0.0	0.1	Burdwan	Howrah			
81	0.7	Nil	Nil	0.04	0.01	0.46	-0.45	52.02	51.93	+0.09	0.0	0.1	Bankoora	Hooghly	SOUTH-WEST BENGAL.		
82	0	Nil	Nil	Nil	0.35	0.14	+0.21	63.93	51.59	+12.34	0.0	0.0	Raneegunge	Berhampore			
80	1.4	Nil	Nil	0.01	0.33	0.23	+0.10	60.55	49.89	+10.66	0.0	0.1	Berhampore	West Burdwan			
83	1.7	Nil	Nil	0.03	0.04	0.33	-0.29	55.03	48.63	+6.40	0.0	0.1	Krishnagur	Moorshedabad	SOUTH-WEST BENGAL.		
90	2.9	Nil	Nil	0.08	0.06	0.38	-0.32	53.51	52.60	+0.93	0.0	0.1	Jessore	Nuddea			
93	5.6	Nil	Nil	0.60	1.37	2.15	-0.78	119.03	112.55	+6.5	0.0	0.4	Chittagong	Jessore			
88	1.1	Nil	Nil	0.21	Nil	1.42	-1.42	68.16	75.77	-7.61	0.0	0.3	Barrisal	Khoolna	SOUTH-WEST BENGAL.		
89	0	Nil	Nil	0.55	Nil	2.55	-2.55	97.88	105.71	-7.83	0.0	0.4	Noakholly	Chittagong Hill Tracts			
87	0.7	Nil	Nil	0.12	Nil	0.52	-0.52	45.42	54.83	-9.41	0.0	0.1	Furreehpore	Backergunge			
88	2.4	Nil	Nil	0.13	Nil	0.76	-0.76	58.19	59.83	-1.64	0.0	0.1	Dacca	Noakholly	SOUTH-WEST BENGAL.		
89	1.3	Nil	Nil	0.14	Nil	0.72	-0.72	60.11	67.67	-7.56	0.0	0.1	Commillah	Furreehpore			
89	1.7	Nil	Nil	0.02	0.17	0.31	-0.13	75.85	68.40	+7.45	0.0	0.1	Mymensingh	Dacca			
87	0	Nil	Nil	0.03	0.41	0.34	+0.07	78.93	56.90	+22.03	0.0	0.1	Bogra	Tipperah	SOUTH-WEST BENGAL.		
93	0.3	Nil	Nil	0.02	0.57	0.27	+0.30	64.95	52.80	+12.15	0.0	0.0	Serajunge	Mymensingh			
88	0.3	Nil	Nil	Nil	0.93	0.19	+0.74	75.86	52.81	+23.05	0.0	0.0	Rampore	Bogra			
85	0	Nil	Nil	0.01	0.02	0.19	-0.17	62.14	53.59	+8.55	0.0	0.1	Maldah	Pubna	SOUTH-WEST BENGAL.		
88	0	Nil	Nil	0.03	Nil	0.10	-0.10	8.74	50.25	+41.51	0.0	0.1	Dinapore	Rajshahye			
90	0.1	Nil	Nil	0.01	Nil	0.09	-0.09	106.61	73.18	+33.43	0.0	0.1	Rangpore	Maldah			
84	0	Nil	Nil	0.02	Nil	0.06	-0.06	154.51	109.59	+44.92	0.0	0.1	Jalpigoree	Dinapore	SOUTH-WEST BENGAL.		
89	0.7	Nil	Nil	0.04	0.07	0.31	-0.24	105.65	118.88	+13.23	0.0	0.1	Darjeeling	Rangpore			
95	0	Nil	Nil	0.03	Nil	0.06	-0.06	80.67	58.03	+22.63	0.0	0.1	Purneah	Jalpigoree			
92	0	Nil	Nil	0.03	Nil	0.09	-0.09	52.57	42.76	+9.81	0.0	0.1	Mozufferpore	Cooch Behar	SOUTH-WEST BENGAL.		
83	0	Nil	Nil	0.03	Nil	0.06	-0.06	57.63	43.96	+13.67	0.0	0.1	Durbhunga	Mozufferpore			
89	10	Nil	Nil	Nil	Nil	0.01	-0.01	68.47	45.90	+22.57	0.0	0.0	Motihari	Durbhunga			
95	0	Nil	Nil	0.10	Nil	0.19	-0.19	53.69	41.86	+11.74	0.0	0.2	Chupra	Chumprun	SOUTH-WEST BENGAL.		
84	0.7	Nil	Nil	0.11	Nil	0.26	-0.26	49.59	39.32	+10.27	0.0	0.2	Buxar	Saran			
83	1.1	Nil	Nil	0.11	Nil	0.26	-0.26	49.59	39.32	+10.27	0.0	0.2	Arrah	Shahabad			
71	0.6	Nil	Nil	0.10	Nil	0.24	-0.24	56.93	40.81	+16.12	0.0	0.2	Gya	Buxar	SOUTH-WEST BENGAL.		
74	0	Nil	Nil	0.09	Nil	0.20	-0.20	48.10	40.61	+7.49	0.0	0.1	Bankipore	Gya			
85	0	Nil	Nil	0.08	Nil	0.20	-0.20	52.25	42.54	+9.71	0.0	0.1	Shahpur	Bankipore			
82	0	Nil	Nil	0.03	0.38	0.16	+0.22	63.65	50.26	+13.39	0.0	0.1	Doomke	South Shahpur	SOUTH-WEST BENGAL.		
74	0	Nil	Nil	0.11	0.01	0.36	-0.35	49.45	40.20	+9.25	0.0	0.2	Hazaribagh	Monghyr			
72	0	Nil	Nil	0.17	Nil	0.44	-0.44	47.01	47.39	-0.38	0.0	0.3	Ranoni	Sonthal Pergunnahs			
		Nil	Nil	0.10	Nil	0.17	-0.07	41.53	46.21	-4.68	0.0	0.0	Manbhum	Hazaribagh	SOUTH-WEST BENGAL.		
		Nil	Nil	Nil	Nil	0.23	-0.23	33.94	50.47	-16.53	0.0	0.0	Onyebasse	Manbhum			

in years. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the subdivisional stations. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the subdivisional stations.

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 28th of November 1890.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 16th May 1890.	Average rain-fall from 16th May to date.
			Saturday 22nd November.	Sunday 23rd November.	Monday 24th November.	Tuesday 25th November.	Wednesday 26th November.	Thursday 27th November.	Friday 28th November.	Number of rainy days.	Rainfall of week.				
SOUTH-WEST BENGAL.	Oudh	Pooree	...	...	...	...	...	...	...	Nil	Nil	2.28	1.85	69.97	49.75
		Khurdah	...	...	...	...	...	...	...	Nil	Nil	0.23	1.43	65.16	50.94
		Banpur	...	...	...	...	...	...	...	Nil	Nil	1.10	3.05	61.85	49.41
		False Point	...	...	...	...	...	...	...	Nil	Nil	3.09	2.15	66.10	63.14
		Gop	...	...	...	...	...	...	...	Nil	Nil	2.92	?	65.96	?
		Satpara	...	...	...	...	...	...	...	Nil	Nil	4.94	?	45.07	?
		Pipli	...	...	...	...	...	...	...	Nil	Nil	0.29	?	75.90	?
	Cuttack	Jagatsingpur	...	...	...	...	...	...	...	Nil	Nil	1.60	1.01	63.67	46.74
		Banki	...	...	...	...	...	...	...	Nil	Nil	5.25	2.02	66.09	47.9
		Cuttack	...	...	...	...	...	...	...	Nil	Nil	1.94	0.26	82.14	51.11
		Kendrapara	...	...	...	...	...	...	...	Nil	Nil	0.59	0.84	53.15	52.14
		Jajpore	...	...	...	...	...	...	...	Nil	Nil	0.46	0.62	53.15	52.05
		Dharmasala	...	...	...	...	...	...	...	Nil	Nil	0.10	?	53.15	?
	Balasore	Salipore	...	...	...	...	...	...	...	Nil	Nil	0.70	?	52.15	?
		Chandbali	...	...	...	...	...	...	...	Nil	Nil	0.41	1.43	52.06	52.32
		Bhuddruck	...	...	...	...	...	...	...	Nil	Nil	0.68	0.92	57.85	50.92
		Sorah	...	...	...	...	...	...	...	Nil	Nil	0.10	0.68	60.84	50.01
		Balasore	...	...	...	...	...	...	...	Nil	Nil	2.25	0.79	61.13	56.90
		Jellasore	...	...	...	...	...	...	...	Nil	Nil	1.21	0.40	65.83	51.07
	Midnapore	Baripodah	...	...	...	...	...	...	...	Nil	Nil	0.61	0.98	62.91	53.43
		Contai	...	...	...	...	...	...	...	Nil	Nil	0.45	0.63	67.73	60.34
		Saugor Island	...	...	...	...	...	...	...	Nil	Nil	1.44	0.82	69.05	60.41
		Tumlook	...	...	...	...	...	...	...	Nil	Nil	Nil	0.34	57.99	50.69
		Midnapore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.22	47.47	47.94
		Ghatal	...	...	...	...	...	...	...	Nil	Nil	Nil	0.07	44.61	53.03
	24-Pergunnas	Kukrahaty	...	...	...	...	...	...	...	Nil	Nil	Nil	?	50.22	?
		Garbetta	...	...	...	...	...	...	...	Nil	Nil	Nil	?	56.23	?
		Diamond Har- bour	...	...	...	...	...	...	...	Nil	Nil	0.04	0.35	62.13	57.49
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	Nil	?	66.69	?
		Alipore Jail	...	...	...	...	...	...	...	Nil	Nil	0.05	0.29	61.96	54.57
		Barrackpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.47	50.91	49.56
	Howrah	Dum-Dum	...	...	...	...	...	...	...	Nil	Nil	0.59	0.21	50.34	50.89
		Baraset	...	...	...	...	...	...	...	Nil	Nil	Nil	0.31	54.84	49.03
		Buseerhat	...	...	...	...	...	...	...	Nil	Nil	Nil	0.36	58.67	54.07
		Howrah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.30	51.34	50.10
		Mohesra	...	...	...	...	...	...	...	Nil	Nil	Nil	0.46	59.67	51.17
		(Ooloberish)	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
	Hooghly	Serampore	...	...	...	...	...	...	...	Nil	Nil	0.03	0.19	54.30	40.40
		Hooghly	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	52.05	47.96
		Jehanabad	...	...	...	...	...	...	...	Nil	Nil	Nil	0.24	51.57	54.45
	Burdwan	Culina	...	...	...	...	...	...	...	Nil	Nil	0.20	0.37	54.31	43.63
		Burdwan	...	...	...	...	...	...	...	Nil	Nil	0.56	0.29	65.53	47.45
		Cutwa	...	...	...	...	...	...	...	Nil	Nil	Nil	0.28	64.36	47.19
		Raneegunge	...	...	...	...	...	...	...	Nil	Nil	0.10	0.13	60.54	48.06
		Mankur	...	...	...	...	...	...	...	Nil	Nil	0.41	?	45.21	?
		Bankoora	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
	Bankoora	Bankoora	...	...	...	...	...	...	...	Nil	Nil	0.25	0.36	57.76	50.91
		Bishenpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.36	50.95	51.09
		Maliara	...	...	...	...	...	...	...	Nil	Nil	0.05	0.36	59.28	48.11
		Khatra	...	...	...	...	...	...	...	Nil	Nil	Nil	0.90	40.06	50.35
		Indas	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59.97	?
		Kotalpore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	60.94	?
	teerbhoon	Anda	...	...	...	...	...	...	...	Nil	Nil	Nil	?	65.11	?
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	Nil	?	63.75	?
		Raipore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	63.29	?
		vonamukhi	...	...	...	...	...	...	...	Nil	Nil	Nil	?	62.74	?
		Bh. Scory	...	...	...	...	...	...	...	Nil	Nil	0.13	0.11	62.28	53.19
		Hetampore	...	...	...	...	...	...	...	Nil	Nil	0.76	0.13	60.31	50.63
	Nuddea	Rampore Han	...	...	...	...	...	...	...	Nil	Nil	0.29	0.17	72.56	50.15
		Boipore	...	...	...	...	...	...	...	Nil	Nil	1.19	?	67.42	?
		Murari		...	...	...	...	...	...	...	Nil	Nil	Nil	?	56.46	?
		Ranaghat		...	...	...	...	...	...	...	Nil	Nil	Nil	0.39	53.46	46.31
		Kishnagar		...	...	...	...	...	...	...	Nil	Nil	0.30	0.34	61.66	45.35
		Chooadanga		...	...	...	...	...	...	...	Nil	Nil	Nil	0.46	47.08	54.55
	Choolna	Meherpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.14	58.86	47.00
		Kooshtea	...	...	...	...	...	...	...	Nil	Nil	Nil	0.27	53.00	53.85
		Satkira	...	...	...	...	...	...	...	Nil	Nil	0.48	0.59	57.61	50.15
		Bagirhat	...	...	...	...	...	...	...	Nil	Nil	Nil	0.64	62.51	50.54
		Khoolna	...	...	...	...	...	...	...	Nil	Nil	Nil	0.45	52.88	53.94
		Nakipur	...	...	...	...	...	...	...	Nil	Nil	0.99	?	76.02	?
	Jessore	Rampal	...	...	...	...	...	...	...	Nil	Nil	Nil	?	65.78	?
		Narali	...	...	...	...	...	...	...	Nil	Nil	Nil	0.42	51.45	45.22
		Jessore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.3	59.49	51.51
		Jhenidah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.29	54.16	52.79
		Magoorah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	49.44	48.30
		Bongong	...	...	...	...	...	...	...	Nil	Nil	Nil	0.30	46.66	50.51
	Hoorsheadabad	Kandi	...	...	...	...	...	...	...	Nil	Nil	0.80	0.32	64.89	50.25
		Berhampore	...	...	...	...	...	...	...	Nil	Nil	0.05	0.24	60.27	50.50
		Lalbagh	...	...	...	...	...	...	...	Nil	Nil	Nil	0.31	63.67	50.49
		Azingunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0.20	58.27	48.52
		Jungipore	...	...	...	...	...	...	...	Nil	Nil	0.50	0.11	51.83	50.47
		Lalgaia	...	...	...	...	...	...	...	Nil	Nil	0.65	0.21	65.35	?
	East Bengal	Jiagunge	...	...	...	...	...	...	...	Nil	Nil	Nil	?	61.09	?
		Akargunj	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Patkabari	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Chittagong	...	...	...	...	...	...	...	Nil	Nil	1.37	2.09	129.42	138.07
		Cox's Bazar	...	...	...	...	...	...	...	Nil	Nil	1.37	1.90	108.63	105.03
		Kutubdia	...	...	...	...	...	...	...	Nil	Nil	2.25	?	113.85	?
	Chittagong Hill Tracts.	Satkanya	...	...	...	...	...	...	...	Nil	Nil	0.15	?	81.41	?
		Rangmati	...	...	...	...	...	...	...	Nil	Nil	0.03	1.96	68.92	52.51
		Ruma	...	...	...	...	...	...	...	Nil	Nil	0.80	2.02	77.71	77.01
		Patuakhally	...	...	...	...	...	...	...	Nil	Nil	Nil	1.63	79.01	80.35
		Perozapore	...	...	...	...	...	...	...	Nil	Nil	Nil	1.19	62.91	60.06
		Burrisal	...	...	...	...	...	...	...	Nil	Nil	Nil	1.25	65.76	64.65
	Snekerunge	Bnoia	...	...	...	...	...	...	...	Nil	Nil	Nil	1.57	64.99	81.05
		...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 28th of November 1890—contd.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1890.	Average rainfall from 15th May to date.
			Sunday, 22nd November.	Sunday, 23rd November.	Monday, 24th November.	Tuesday, 25th November.	Wednesday, 26th November.	Thursday, 27th November.	Friday, 28th November.	Number of rainy days.	Rainfall in week.				
SOUTH BENGAL.	Gournadi	Gournadi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	42'00	?	
		Bauphal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	73'20	?	
	Noakholly	Noakholly	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1'81	92'34	104'54		
		Fenny	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	3'28	103'40	104'75		
		Harishpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'90	169'51	?		
		Ramganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	65'28	?		
	Furreedpore	Madaripore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'40	41'91	55'09		
		Furreedpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'40	49'43	57'27		
		Goniundo	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'35	44'90	52'41		
	Dacca	Munshikunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'83	57'78	69'26		
		Dacca	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'52	54'58	58'00		
		Narainkunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1'27	60'71	61'23		
		Manickkunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'41	59'71	49'40		
Hill Tipperah	Joydebpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	66'26	?			
	Agartala	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'83	67'24	60'62			
	Comilla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'94	74'62	74'62			
	Chandpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'56	56'78	74'38			
	Brahmunberia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'57	54'64	60'95			
	Ramchandrapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	76'11	?			
	Nasirnagar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	54'81	?			
	Daudkandi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50'44	?			
	Kasba	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	51'71	?			
	Laksham	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	68'55	?			
Mymensingh	Kishorekunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'41	68'87	69'17			
	Atia (Tangail)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'81	56'62	54'86			
	Mymensingh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'05	78'05	73'30			
	Jamulpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'24	79'16	64'49			
	Netrokona	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'36	95'54	80'38			
	Subornakhali	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'42	58'25	?			
	Durgapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	118'07	?			
	Sherepore Town	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	67'41	?			
	Deuaganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	72'90	?			
	Pabna	Pabna	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'16	46'08	53'36		
Sorajkunge		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1'14	63'81	52'19			
Sherepore		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'59	77'86	57'77			
Nowkilla		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'39	66'79	53'76			
Bogra		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'28	79'92	60'44			
Panchbihi		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'02	91'46	55'28			
Rajshahi		Beaulah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'95	72'29	52'40		
		Natore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1'55	88'54	54'19		
		Naogaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'30	66'15	51'90		
		Lalpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	52'38	?		
Maldah	Mando	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	48'04	?			
	Maldah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'03	64'65	50'99			
	Chanchal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'21	59'62	56'13			
	Gajol	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	84'40	?			
	Sitganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'12	62'66	?			
	Dinajpur	Mohadebpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'09	67'04	55'95		
		Churamon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'06	80'28	52'07		
		Raigunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'12	92'75	57'58		
		Dinajpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'09	86'80	63'53		
	Rangpur	Raiboghat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'12	81'61	52'02		
Thakurgaon		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	107'04	?			
Buwaiyaghat (Gyabanda)		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'11	123'00	62'09			
Rangpur		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'09	96'58	74'06			
Kurigram		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'16	95'59	72'66			
Bagdogra		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'02	111'23	63'87			
(Niphamari)		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	97'52	?			
Ulipore		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'10	156'26	116'73			
Jalpaiguri		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	187'47	?			
Cooch Behar		Falacotta	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	146'30	?		
	Debiganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	115'70	?			
	Bhagatpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	182'64	?			
	(Nagrakatta)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'04	128'95	94'40			
	Dinhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'08	169'37	117'20			
	Cooch Behar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'04	146'35	104'89			
	Mickilgunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'66	171'61	111'92			
	Masabanga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'59	210'83	191'25			
	Buxa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'22	178'31	162'31			
	Siliguri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'18	150'36	107'28			
Darjeeling Hill	Darjeeling	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'04	123'00	77'19			
	Khimping	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'23	192'78	?			
	Kurseong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?			
	Purneah	Kisoungunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'06	105'38	69'68		
		Arrahat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'05	83'78	63'16		
		Purneah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'08	89'36	60'99		
		Gondwara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	100'45	?		
	North Bhugulpur	Balarampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	63'98	?		
		Natiari	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	118'55	?		
		Kaliaganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'06	61'61	49'62		
Maddapora		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'04	63'21	47'62			
Durbhanga	Sopon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	49'30	?			
	Protaganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'09	51'70	42'42			
	Tajpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'07	53'66	45'15			
	Durbhanga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'03	62'61	45'23			
	Madhubani	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	52'68	?			
	Bahera	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50'42	?			
	Kashera	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'01	52'96	42'88			
	Moulvibazar	Sitamarhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'10	56'13	44'76		
		Moulvibazar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'14	45'60	41'28		
		Itanipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	70'81	?		
Para		Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	44'79	?			
Moulvibazar	Mahua	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	53'18	?			
	Sukhar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50'19	?			
	Pupri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?			

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 28th of November 1890—

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1890.	Average rainfall from 1st May date.
			Saturday, 22nd November.	Sunday, 23rd November.	Monday, 24th November.	Tuesday, 25th November.	Wednesday, 26th November.	Thursday, 27th November.	Friday, 28th November.	Number of rainy days.	Rainfall week.				
NORTH BHAR	Chumprun...	Motibari	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'01	72'06	
		Bettiah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'01	64'89	
		Bagaha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	58'36	
SOUTH BHAR	Sarad	Burhura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	58'36	
		Gopalgunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'14	52'07	
		Sewan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'12	58'84	
	Shahabad	Chuprah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'29	48'27	
		Buxar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'17	52'47	
		Dehree	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'24	43'14	
		Bhaboah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'52	41'11	
		Sasseram	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'24	44'19	
	Gya	Arrah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'17	66'06	
		Mohaniah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	36'07	
		Aurungabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'22	59'49	
		Gya	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'27	60'04	
		Nowadah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'19	54'84	
	Patna	Jehanabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'28	53'35	
		Arwal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	55'43	
		Daudnagar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	29'85	
		Sherrghati	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	36'81	
		Rajauli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	45'00	
CHUTTA NAG-PUR.	Pakri Barawan	Pakri Barawan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	54'24	
		Patna	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'15	50'02	
		Dinspore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'13	52'13	
		Behat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'24	46'05	
		Barrh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'24	43'25	
	Monghyr	Bickram	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	58'35	
		Hilsa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50'24	
		Begooesari	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'32	44'29	
		Monghyr	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'13	54'84	
		Jamui	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'10	60'22	
	South Bhagulpore	Gopri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	76'44	
		Sheikpura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	47'76	
		Bhagulpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'30	59'77	
		Baraka	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'13	42'11	
		Krigang	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	62'06	
	Sonthal Pergunnahs.	Bongaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Rajmehal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'12	56'86	
		Godca	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'10	50'75	
		Pakour	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'08	74'16	
		Nya Doemka	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'11	74'11	
	Hazaribagh	Deoghar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'15	49'43	
		Jamtara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2'15	76'43	
		Mohasana	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	48'81	
		Namhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1'30	32'28	
		Pachamba	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'21	55'35	
	Lohardugga	(Girdi)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'27	49'97	
		Hazaribagh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'02	49'97	
		Semtagurah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'41	38'89	
		Mahudi Hill's	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'44	43'02	
		Jhoomra Hills	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'48	56'80	
	Singhbhum	Barhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50'24	
		Chatra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	47'08	
		Karagdeha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	57'34	
		Ramghar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50'24	
		Lohardugga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'44	53'19	
	Manbhoom	Ranchi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'40	43'57	
		Palamow	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'48	44'27	
		Silli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'35	43'85	
		Balumat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	43'62	
		Hosseinabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	41'76	
	Singhbhum	Garwah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	38'30	
		Chyebassa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'23	53'94	
		Chakradhar-pore.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	24'83	
		Ghatilla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	51'46	
		Baharagura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50'93	
	Manbhoom	Purulia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'18	44'22	
		Gobindpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'21	38'94	
		Raghunath-pore.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'40	62'26	
		harrabhoom	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	44'15	
		Jhaido	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	64'71	
		Chas	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50'18	

Explanation.—.....indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 2nd December 1890.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 28TH
OF NOVEMBER 1890.**

THE meteorological conditions during the past week have been typical of north-east monsoon weather. The changes which have taken place from day to day have been in all cases small, and of the usual oscillatory nature which characterises fine settled weather. Barometric pressure has been high and above the normal throughout the week. Temperature, which was at first rather high, has fallen almost steadily during the whole week. Humidity has been also moderate. The sky has been practically cloudless at almost all the inland stations, though it has been slightly clouded at the head of the Bay, and there has been an entire absence of rainfall at all stations.

Pressure was at the commencement of the week above the normal over the whole reporting area, the excess usually amounting to from nine to twelve-hundredths of an inch. On the 23rd a distinct rise, varying usually from two to three-hundredths of an inch, took place. This was succeeded on the 24th by a fall of about equal amount, and the fall continued on the 25th, when it equalled about a fortieth of an inch. Pressure still continued to fall for the following two days, and the decrease on the 26th amounted to about two-hundredths of an inch, while on the 27th it was rather less than this; but still the general pressure was about two to five-hundredths of an inch above the normal. On the 28th the fall of pressure had ceased, and a distinct rise commenced, but this only averaged about two or three-hundredths of an inch. It will thus be seen that pressure has been above the normal throughout the week, and the mean pressure has been from six to ten-hundredths of an inch in excess, the excess being usually largest in the south-western districts.

Temperature at the commencement of the week was above the normal over the whole province except at a few stations in South-West and East Bengal. On the 23rd there had been a very distinct fall in all districts except at a few of the western stations in Behar, Chutia Nagpur, and South-West Bengal. A further general fall took place on the 24th, the decrease in the mean temperature at many stations equalling about one and-a-half degrees; so that on this day temperature was more nearly normal, though there was still an excess at the western stations in Behar, and a defect at some of the stations in North Bengal. A further fall of temperature was registered on the 25th, and the whole province on this day showed a defect from the normal. Again on the 26th a general fall of from half to one degree was reported, and temperature became about two to three degrees lower than usual over a large part of the province, though again a slight excess had appeared in Behar. On the 27th a further fall, averaging about half a degree, was recorded, and on the 28th the variations were very small, and at some stations there was a slight increase and at others a decrease of temperature. The general defect of temperature on the 28th was, however, not large, and usually ranged from about one to two degrees.

For the whole week the mean temperature has been below the normal in Orissa and East Bengal by about a degree and-a-half, and in South-West and North Bengal by from half to one degree. In the districts of Behar and Chutia Nagpur, on the other hand, temperature has been in excess of the normal by about one degree.

The distribution of temperature during the week and its variation from the normal are, however, best seen in the table below, where the average maximum, minimum and mean temperatures for the week at nine typical stations in different districts of the province are compared with their normal values for the same period. From this table it will be seen that the minimum or night temperatures show greater variation from the normal than the day or maximum temperatures do:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending the 28th of November 1890.

	Normal mean maximum temperature for the week ending 28th November.	Actual mean maximum temperature for the week ending 28th November 1890.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 28th November.	Actual mean minimum temperature for the week ending 28th November 1890.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 28th November.	Actual mean daily temperature for the week ending 28th November 1890.	Variation of actual mean from the normal.
Cuttack	84.5	83.2	-1.3	63.3	61.2	-2.1	73.9	72.3	-1.7
Calcutta	79.9	78.8	-1.1	61.4	59.8	-1.8	70.6	69.2	-1.4
Dacca	82.5	81.8	-0.7	63.1	60.9	-2.2	72.8	71.4	-1.4
Burdwan	81.3	81.0	-0.3	60.7	61.1	+0.4	71.0	71.1	+0.1
Patna	78.4	79.3	+0.9	55.8	58.2	+2.4	67.0	68.7	+1.7
Gya	79.6	80.7	+1.1	54.7	56.3	+1.6	67.2	68.5	+1.3
Burneah	79.9	78.5	-1.4	55.7	55.4	-0.3	67.8	67.0	-0.8
Rasariabagh	74.5	76.0	+1.5	54.5	54.8	+0.3	64.5	65.4	+0.9
Darjeeling	53.1	54.1	+1.0	40.1	42.0	+1.9	46.6	48.1	+1.5

Rainfall.—As above stated, there has been absolutely no rainfall in Bengal throughout the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 28th of November 1890:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1890.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	84.3	55.5	81.2	61.2	71.2	-1.4	Nil	0.12	-0.12	0.0	0.3	-0.3	1.50	1.28	63.27	52.52
South-West Bengal ...	84.5	55.5	80.4	59.9	70.2	-0.8	Nil	0.04	-0.04	0.0	0.1	-0.1	0.17	0.33	56.83	51.33
East Bengal	84.2	55.5*	80.6	59.6*	70.0*	-1.3*	Nil	0.21	-0.21	0.0	0.3	-0.3	0.17	1.07	71.42	73.66
North Bengal	84.4†	54.3	79.7	57.9	68.8	-0.5	Nil	0.02	-0.02	0.0	0.1	-0.1	0.22	0.16	95.00	68.83
North Behar	81.2	51.9	79.4	57.6	68.5	+0.6	Nil	0.04	-0.04	0.0	0.1	-0.1	Nil	0.08	64.38	47.98
South Behar	82.3	53.0	79.9	56.3	68.1	+0.8	Nil	0.08	-0.08	0.0	0.2	-0.2	0.09	0.21	54.66	43.18
Chutia Nagpur	79.4†	51.9†	76.3†	54.1†	65.2†	+1.2†	Nil	0.10	-0.10	0.0	0.2	-0.2	0.02	0.34	46.00	43.28

* Chittagong not included.

† Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 2nd December 1890.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 23rd to 29th November 1890.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE.						HYGROMETRY.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
November...	23rd ...	30.165	71.4	80.9	19.0	61.9	74.8	68.3	.606	64.4	70	...
"	24th ...	.142	70.5	79.1	17.2	61.9	73.8	66.1	.539	61.0	64	...
"	25th ...	.106	69.2	78.5	18.6	59.9	73.1	66.1	.549	61.6	67	...
"	26th ...	.065	69.3	79.7	20.8	58.9	73.8	66.1	.539	61.0	66	...
"	27th ...	.079	69.2	79.9	21.4	58.5	73.8	64.6	.488	58.3	58	...
"	28th ...	.093	68.4	78.9	21.0	57.9	73.2	68.1	.620	65.1	76	...
"	29th ...	.121	68.4	78.9	21.0	57.9	73.6	64.6	.490	58.4	59	...

The mean 10 A.M. pressure of the seven days 30.113
Inches.

The mean temperature of the seven days 69.5

The extreme variation of temperature 23.0

The maximum temperature 81.9

The mean 10 A.M. relative humidity of the seven days 66
%

The total fall of rain from 23rd to 29th November 1890 Nil
Inches.

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 1st December 1890.

MEMORANDUM.

Monthly review of deaths registered in forty-five districts of Bengal for the month of September 1890.

THE deaths registered in forty-five districts of Bengal during the month of September 1890 were 146,205, and correspond to an annual rate of 26.52 per 1,000 of the aggregate population of those districts, which is 65,859,534. This rate is 3.48 higher than the mean rate of the corresponding months of the past five years 1885—89, and is also higher than the rate of the corresponding period of any of the past five years with which comparison is instituted, *vide* the figures below—

	1885.	1886.	1887.	1888.	1889.	Monthly average of five years, 1885—89.	1890.
Ratio of deaths per 1,000 of the population per annum	26.40	21.60	20.28	22.08	24.60	23.04	26.52

The following table shows the highest proportions of deaths registered during the month of September 1890, compared with the corresponding month of 1889 :—

<i>Districts.</i>		Ratio per mille during—		<i>Districts.</i>		Ratio per mille during—	
		Sept. 1890.	Sept. 1889.			Sept. 1890.	Sept. 1889.
Gya	...	48.36	42.24	Hazaribagh	...	33.00	30.60
Shahabad	...	38.76	42.84	Rajshahye	...	31.92	21.48
Khulna	...	38.16	22.32	Julpaiguri	...	30.96	25.20
Patna	...	36.36	36.84	Mozufferpore	...	30.96	23.76
Monghyr	...	35.88	45.96	Pubna	...	30.72	19.92
Darjiling	...	34.44	35.52	Bhagulpore	...	30.00	31.80
Jessore	...	33.96	21.60	Sarun	...	29.76	26.04

The figures for September 1890 against Gya, Khulna, Jessore, Hazaribagh, Rajshahye, Julpaiguri, Mozufferpore, Pubna, and Sarun show an advance towards accuracy in death registration.

The total mortality during the month under review from the several registered death-causes is compared in the following table with the mortality from those causes in the corresponding month of 1889 and the average of the five years 1885—89 :—

		Ratio per mille during—		
		Sept. 1890.	Sept. 1889.	Monthly average of five years, 1885—89.
Cholera	84	1.32
Small-pox	06	1.10
Fever	20.16	17.52
Bowel-complaints	60	84
Injury	72	60
Other causes	3.84	3.84

Compared with the figures of both the past periods, there is a noticeable increase in the mortality of September 1890 under the head fever, and a sensible decrease in the death-rate from cholera.

The highest annual death-rates from cholera and fever occurred in the following districts :—

<i>Cholera.</i>				<i>Fever.</i>			
Ratio per mille.				Ratio per mille.			
Mozufferpore	...	...	6.48	Gya	...	...	37.08
Gya	...	...	4.44	Khulna	...	...	33.48
Shahabad	...	...	4.08	Jessore	...	...	31.44
Chumparun	...	...	2.83	Julpaiguri	...	...	29.52
Patna	...	...	2.76	Rajshahye	...	...	28.92
Durbhanga	...	...	2.40	Monghyr	...	...	28.80
Sarun	...	...	2.40	Pubna	...	...	28.44
				Shahabad	...	...	27.96
				Hazaribagh	...	...	27.24
				Maldah	...	...	24.96
				Murshedabad	...	...	24.48
				Noakhali	...	...	24.24
				Chittagong	...	...	23.88
				Patna	...	...	23.40
				Bhagulpore	...	...	23.40
				Nuddea	...	...	22.20

The mortality of the month under review, according to *Sex*, *Class* and *Age*, was distributed as follows:—

<i>According to Sex.</i>			<i>According to Class.</i>			<i>According to Age.</i>		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males ...	...	28·20	Christians	...	18·60	Under 1 year ...	...	197·64
Females...	...	25·08	Hindus	...	27·12	1 and under 5 years	...	31·08
Ratio of male deaths			Mahomedans	...	25·80	5 " 10 "	...	15·60
to every 100 female			Buddhists	...	16·68	10 " 15 "	...	13·56
deaths calculated			Other classes	...	23·28	15 " 20 "	...	16·08
on the proportion						20 " 30 "	...	15·24
such mortality						30 " 40 "	...	17·04
bears to the total						40 " 50 "	...	24·00
male and female						50 " 60 "	...	35·28
population	...	112				60 years and upwards	...	65·76

Detailed information regarding the mortuary statistics of the forty-five districts of Bengal during the month under review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

The 28th November 1890.

Sanitary Commissioner for Bengal.

Statements showing the results of the registration of Deaths in the Districts in Bengal for the month of September 1890.

		1		2		3		4		5		6		7		8		9	
		DIVISIONS.		DISTRICTS.		POPULATION.				MORTALITY ACCORDING TO—				Sex.					
						DEATHS FROM—				DISEASE.				RATIO PER 1,000 OF POPULATION PER ANNUM.					
						All causes.				Cholera.				Ratio of deaths per 1,000 of population in the previous month.					
						Other diseases.				Small-pox.				Ratio of deaths per 1,000 of population in the corresponding month of the previous year.					
						Injury.				Fevers.				Ratio of deaths per 1,000 of population in the corresponding month of the previous year.					
						Bowel-complaints.				Cholera.				Ratio of deaths per 1,000 of population in the corresponding month of the previous year.					
						Injury.				Small-pox.				Ratio of deaths per 1,000 of population in the corresponding month of the previous year.					
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						Bowel-complaints.				Cholera.				Ratio of deaths per 1,000 of population in the corresponding month of the previous year.					
						Injury.				Small-pox.				Ratio of deaths per 1,000 of population in the corresponding month of the previous year.					
						Bowel-complaints.				Cholera.				Ratio of deaths per 1,000 of population in the corresponding month of the previous year.					
						Injury.				Small-pox.				Ratio of deaths per 1,000 of population in the corresponding month of the previous year.					
						Bowel-complaints.													

		10		11		12		13																							
		MORTALITY ACCORDING TO—																													
		Class.					Age.																								
		DEATHS AMONG—					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.					RATIO PER 1,000 OF POPULATION PER ANNUM.														
DIVISIONS.	DISTRICTS.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
BURDWAN	Burdwan	...	1,836	405	...	...	...	19'4	18'36	...	...	520	195	151	73	130	277	228	218	180	259	198'12	17'76	10'80	6'48	12'72	12'96	12'24	17'04	22'20	30'00
	Bankura	...	1,390	66	...	120	...	18'2	17'04	...	16'92	399	151	117	81	75	145	137	120	108	241	174'12	14'88	9'24	8'88	9'48	9'72	11'16	20'76	20'76	52'32
PRESIDENCY	Birbhum	...	1,207	262	...	...	...	23'4	19'32	...	...	460	159	117	59	54	127	106	108	79	260	330'72	23'76	13'92	8'64	9'60	11'16	10'44	14'88	16'32	51'84
	Midnapore	1	4,333	330	...	370	16'20	23'8	24'12	...	...	965	674	364	211	237	476	487	486	461	751	185'16	29'40	12'18	10'20	12'48	12'00	15'96	24'84	33'60	65'76
RAJSHAHYE	Hugli	...	1,094	266	...	...	...	24'6	24'6	...	...	257	154	69	56	61	132	138	153	129	191	181'80	31'20	15'60	10'80	12'24	12'12	15'48	24'24	32'28	61'92
	Serampore	...	689	143	...	...	...	25'32	28'68	...	...	123	110	104	47	42	84	81	57	68	116	147'24	41'40	34'96	18'48	15'96	14'28	16'68	16'68	32'16	71'52
	Total (Hugli including Serampore).	...	1,783	409	...	...	...	25'9	25'80	...	...	380	264	193	103	103	216	219	210	197	307	168'96	34'68	22'36	13'32	13'56	12'96	15'84	21'60	32'28	65'28
DACCA	Howrah	1	965	265	...	...	5'76	23'04	24'00	...	...	287	180	84	29	44	99	106	169	72	221	184'92	31'80	12'84	5'64	9'12	9'72	13'44	21'48	22'92	68'28
	24-Pergunnahs	8	2,620	1,120	...	...	8'52	23'4	21'48	...	...	474	473	323	171	191	308	291	235	255	424	129'12	29'52	17'28	12'72	16'80	11'88	14'04	17'88	31'80	50'52
CHITTAGONG	Nudda	10	1,622	2,100	...	...	18'00	26'64	27'24	...	...	638	485	432	249	294	394	3-8	322	231	539	260'88	28'56	20'40	17'28	20'16	13'52	15'72	23'24	28'68	61'80
	Jessore	...	2,045	3,458	...	...	...	31'9	35'40	...	...	653	1,019	767	335	307	458	492	435	329	716	152'64	53'28	31'32	20'40	24'84	16'80	22'32	27'12	31'44	72'60
PATNA	Murshidabad	...	1,416	1,554	...	...	...	26'7	31'56	...	...	581	394	287	199	164	270	228	253	164	422	250'32	33'36	19'08	19'56	19'62	16'20	15'60	24'60	25'56	65'16
	Dhulna	5	1,536	1,895	...	...	...	35'14	40'92	...	...	493	675	427	233	187	354	256	228	208	475	196'92	54'60	33'60	25'56	23'28	24'20	20'64	27'00	40'32	91'20
BHAGULPORE	Dinajpur	1	1,417	1,497	...	...	...	26'16	32'88	...	...	444	475	240	174	141	326	373	319	222	254	152'16	31'76	11'28	13'92	14'40	15'12	19'08	26'64	25'32	40'92
	Rajshahye	1	1,417	1,497	...	...	...	26'16	32'88	...	...	444	475	240	174	141	326	373	319	222	254	152'16	31'76	11'28	13'92	14'40	15'12	19'08	26'64	25'32	40'92
ORISSA	Knongpore	...	1,208	2,051	...	...	...	17'6	19'20	...	...	387	321	231	143	217	488	484	406	231	840	90'00	15'46	8'76	8'88	17'04	16'68	17'16	23'60	21'00	37'68
	Boera	...	293	1,170	...	...	...	24'6	29'64	...	...	324	167	113	86	86	137	187	144	100	169	253'68	20'76	11'16	14'16	17'28	13'20	15'60	26'28	33'88	54'96
CHOTA NAG-PORE	Pubna	...	885	2,535	...	...	...	27'60	31'92	...	...	383	630	426	241	167	238	273	390	195	477	126'66	42'00	24'24	21'00	21'12	17'52	18'12	29'52	32'04	65'76
	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
CHOTA NAG-PORE	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
CHOTA NAG-PORE	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
CHOTA NAG-PORE	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
CHOTA NAG-PORE	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
CHOTA NAG-PORE	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
CHOTA NAG-PORE	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
CHOTA NAG-PORE	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
CHOTA NAG-PORE	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
CHOTA NAG-PORE	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00	28'08	26'40	33'12	33'24	36'36	37'80
CHOTA NAG-PORE	Darjiling	4	419	10	...	...	...	30'48	14'52	8'88	...	49	71	39	27	31	77	71	88	22	22	187'80	52'32	25'68	21'00</						

MEMORANDUM.

Weekly review of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 8th November 1890.

BIRTHS.

THE births registered during the week ending with Saturday, the 8th November 1890, in twenty-seven principal towns of Bengal correspond to an annual rate of 28.9 per 1,000 of the aggregate population of those towns, which is 1,061,574. This rate is 3.3 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years with which comparison is instituted—*vide* the figures below—

	1885.	1886.	1887.	1888.	1889.	Weekly average of five years, 1885-89.	1890.
Ratio of births per 1,000 of the population per annum	27.6	23.5	22.4	27.7	26.0	25.6	28.9

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	18th Oct. 1890.	25th Oct. 1890.	1st Nov. 1890.	8th Nov. 1890.		18th Oct. 1890.	25th Oct. 1890.	1st Nov. 1890.	8th Nov. 1890.
Burdwan	33.6	13.7	33.6	32.0	Narainganj	24.8	70.4	66.2	115.9
Midnapore	7.7	7.7	20.1	17.0	Chittazong	9.4	...	11.7	14.1
Hughli and Chinsurah	40.2	27.9	42.7	27.9	Comillah	27.0	46.2	19.3	27.0
Serampore	23.6	43.2	53.0	39.3	Patna City	14.3	12.3	11.4	15.3
Utterpara	47.2	...	47.2	37.7	Gya	39.6	12.3	16.4	17.8
Howrah	24.6	25.2	31.5	35.8	Arrah	20.3	21.5	21.5	43.1
Bali	28.1	24.6	10.5	21.1	Mozufferpore	21.9	24.3	37.7	32.8
Krishnagar	18.9	16.1	22.7	18.9	Durbhanga	37.0	36.2	59.0	31.5
Ranaghat	18.0	18.0	12.0	12.0	Chupra	40.3	11.1	33.2	19.1
Santipore	8.8	...	19.3	15.8	Bhagulpore	16.3	...	46.2	60.7
Jessore	6.1	12.2	...	12.2	Monghyr	37.1	46.1	51.5	44.3
Rampore Beaulah	31.5	36.8	36.8	44.7	Purneah	6.9	13.9	3.4	27.7
Darjiling	51.9	14.8	...	14.8	Poori	16.8	16.8	21.0	27.3
Dacca	24.0	13.0	27.9	31.1	Total	23.0	19.4	29.1	28.9

It will be seen that last week the highest birth-rate was returned from Narainganj (115.9) and the lowest from Ranaghat (12).

DEATHS.

THE deaths registered during the week under review correspond to an annual rate of 23.9 per 1,000 of the population. The rate of the week is 9.5 below the average rate of the corresponding week of the past five years, and also below the rate of the corresponding week of any of the past five years with which comparison is instituted—*vide* the figures below—

	1885.	1886.	1887.	1888.	1889.	Weekly average of five years, 1885-89.	1890.
Ratio of deaths per 1,000 of the population per annum	40.0	37.8	25.7	29.7	33.7	33.4	23.9

The deaths registered in each of the last four weeks in each of the twenty-seven towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	18th Oct. 1890.	25th Oct. 1890.	1st Nov. 1890.	8th Nov. 1890.		18th Oct. 1890.	25th Oct. 1890.	1st Nov. 1890.	8th Nov. 1890.
Burdwan	22.9	22.9	35.1	25.9	Narainganj	34.8	41.4	45.5	41.4
Midnapore	12.4	9.3	21.7	24.8	Chittazong	14.1	...	25.8	21.1
Hughli and Chinsurah	20.5	14.8	31.2	27.9	Comillah	11.6	23.1	11.6	23.1
Serampore	47.1	60.8	82.4	45.1	Patna City	15.9	15.9	15.3	16.2
Utterpara	37.7	...	66.6	37.7	Gya	60.1	34.8	27.2	44.4
Howrah	17.8	18.3	18.9	19.5	Arrah	12.0	8.4	10.8	22.7
Bali	24.6	28.1	14.0	24.6	Mozufferpore	38.9	14.6	14.6	20.7
Krishnagar	7.6	3.8	11.4	18.9	Durbhanga	20.5	29.9	26.0	14.3
Ranaghat	24.0	24.0	24.0	6.0	Chupra	20.1	23.1	17.1	12.1
Santipore	3.5	...	10.5	19.3	Bhagulpore	17.2	...	18.1	16.3
Jessore	...	30.6	40.0	24.3	Monghyr	21.7	24.4	37.1	40.7
Rampore Beaulah	42.0	46.9	39.4	47.3	Purneah	6.9	20.8	27.7	24.2
Darjiling	51.9	44.5	66.7	29.6	Poori	25.2	18.9	33.7	25.2
Dacca	18.2	25.9	20.8	21.4	Total	22.8	20.4	23.7	23.9

It will be seen that last week the highest mortality occurred in the town of Rampore Beaulah (47·3) and the lowest in Ranaghat (6·)

Measured by last week's mortality, the highest annual death-rates from cholera, fever, and other causes occurred in the following towns:—

Cholera.			Fever.			Other causes.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Monghyr	...	8·1	Rampore Beaulah	...	42·0	Gya	...	21·2
Arrah	...	7·2	Serampore	...	23·5	Narainganj	...	20·7
Patna City	...	3·6	Bali	...	21·1	Serampore	...	15·7
Gya	...	2·7	Purneah	...	20·8	Poori	...	14·7
Dacca	...	2·6				Monghyr	...	12·7
						Midnapore	...	12·4
						Krishnagar	...	11·3

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 1·9 from cholera, against 1·8 per 1,000 in the preceding week; 0·4 from small-pox, against *nil*; 11·3 from fever, against 10·5; 2·7 from bowel-complaints, against 3·3; 5 from injury, against 2; and 7·4 from other causes, against 7·9 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows:—

According to Sex.			According to Class.			According to Age.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	25·0	Christians	...	14·9	Under 1 year	...	188·5
Females	...	22·6	Hindus	...	22·5	1 and under 5 years	...	29·7
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population	...	110	Mahomedans	...	27·7	5 " 10 "	...	11·3
						10 " 15 "	...	13·0
						15 " 20 "	...	18·6
						20 " 30 "	...	10·1
						30 " 40 "	...	13·6
						40 " 50 "	...	18·7
						50 " 60 "	...	23·5
						60 years and upwards	...	77·6

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

The 29th November 1890.

Sanitary Commissioner for Bengal.

DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.		BIRTHS.				MORTALITY ACCORDING TO—										Sex.		Ratio of male deaths to every 100 female deaths, calculated on the basis of the total male and female population.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		Males.	Females.	Total.	NUMBER OF—		Ratio of male births to every 100 female births.	DEATHS FROM—						RATIO PER 1,000 OF POPULATION PER ANNUM.				Ratio of deaths per 1,000 of population in the previous week.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
					Males.	Females.		Total.	Cholera.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fever.	Bowel-complaints.		Injury.	Other diseases.	All causes.	Males.	Females.	DEATHS.	Males.	Females.	Ratio per 1,000 of population per annum.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Burdwan	Burdwan	18,663	16,617	35,280	10	11	21	15.2	16.8	32.0	91

13				14				15				16																																			
DISTRICTS.				MORTALITY ACCORDING TO—				Age.																																							
NAMES OF MUNICIPALITIES.				Class.																																											
DEATHS AMONG—				RATIO PER 1,000 OF POPULATION PER ANNUM.				DEATHS.				RATIO PER 1,000 OF POPULATION PER ANNUM.																																			
				Other classes.				Under 1 year.				1 and under 5 years.				5 and under 10 years.				10 and under 15 years.				15 and under 20 years.				20 and under 30 years.				30 and under 40 years.				40 and under 50 years.				50 and under 60 years.				60 years and up-wards.			
				Other classes.				Under 1 year.				1 and under 5 years.				5 and under 10 years.				10 and under 15 years.				15 and under 20 years.				20 and under 30 years.				30 and under 40 years.				40 and under 50 years.				50 and under 60 years.				60 years and up-wards.			
				Other classes.				Under 1 year.				1 and under 5 years.				5 and under 10 years.				10 and under 15 years.				15 and under 20 years.				20 and under 30 years.				30 and under 40 years.				40 and under 50 years.				50 and under 60 years.				60 years and up-wards.			
				Other classes.				Under 1 year.				1 and under 5 years.				5 and under 10 years.				10 and under 15 years.				15 and under 20 years.				20 and under 30 years.				30 and under 40 years.				40 and under 50 years.				50 and under 60 years.				60 years and up-wards.			
				Other classes.				Under 1 year.				1 and under 5 years.				5 and under 10 years.				10 and under 15 years.				15 and under 20 years.				20 and under 30 years.				30 and under 40 years.				40 and under 50 years.				50 and under 60 years.				60 years and up-wards.			
				Other classes.				Under 1 year.				1 and under 5 years.				5 and under 10 years.				10 and under 15 years.				15 and under 20 years.				20 and under 30 years.				30 and under 40 years.				40 and under 50 years.				50 and under 60 years.				60 years and up-wards.			
				Other classes.				Under 1 year.				1 and under 5 years.				5 and under 10 years.				10 and under 15 years.				15 and under 20 years.				20 and under 30 years.				30 and under 40 years.				40 and under 50 years.				50 and under 60 years.				60 years and up-wards.			
				Other classes.				Under 1 year.				1 and under 5 years.				5 and under 10 years.				10 and under 15 years.				15 and under 20 years.				20 and under 30 years.				30 and under 40 years.				40 and under 50 years.				50 and under 60 years.				60 years and up-wards.			
				Other classes.				Under 1 year.				1 and under 5 years.				5 and under 10 years.				10 and under 15 years.				15 and under 20 years.				20 and under 30 years.				30 and under 40 years.				40 and under 50 years.				50 and under 60 years.				60 years and up-wards.			
				Other classes.				Under 1 year.				1 and under 5 years.				5 and under 10 years.				10 and under 15 years.				15 and under 20 years.				20 and under 30 years.				30 and under 40 years.				40 and under 50 years.				50 and under 60 years.				60 years and up-wards.			
				Other classes.				Under 1 year.				1 and under 5 years.				5 and under 10 years.				10 and under 15 years.				15 and under 20 years.				20 and under 30 years.				30 and under 40 years.				40 and under 50 years.				50 and under 60 years.				60 years and up-wards.			
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MEMORANDUM.

Weekly review of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 15th November 1890.

BIRTHS.

THE births registered during the week ending with Saturday, the 15th November 1890, in twenty-seven principal towns of Bengal correspond to an annual rate of 24·2 per 1,000 of the aggregate population of those towns, which is 1,061,574. This rate is 3·2 below the average rate of the corresponding week of the past five years, and is also below the rate of the corresponding week of any of the past five years with which comparison is instituted—*vide* the figures below—

	1885.	1886.	1887.	1888.	1889.	Weekly average of five years, 1885-89.	1890.
Ratio of births per 1,000 of the population per annum	27·6	26·2	28·2	24·5	30·6	27·4	24·2

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	25th Oct. 1890.	1st Nov. 1890.	8th Nov. 1890.	15th Nov. 1890.		25th Oct. 1890.	1st Nov. 1890.	8th Nov. 1890.	15th Nov. 1890.
Burdwan	13·7	33·6	32·0	21·4	Narainganj	70·4	66·2	115·9	74·5
Midnapore	7·7	20·1	17·9	15·5	Chittagong ... ..	...	11·7	14·1	16·4
Hughli and Chinsurah	27·9	42·7	27·9	32·8	Comillah	46·2	19·3	27·0	23·1
Serampore	43·2	53·0	39·3	55·0	Patna City	12·3	11·4	15·3	16·7
Uttarpara ... ..	...	47·2	37·7	37·7	Gya	12·3	16·4	17·8	21·9
Howrah	26·2	31·5	33·8	28·1	Arrah	21·5	21·5	43·1	10·8
Bali	24·6	10·5	21·1	21·1	Mozufferpore	24·3	37·7	32·8	32·8
Krishnagar	15·1	22·7	18·9	15·2	Durbhanga	36·2	59·0	31·5	36·2
Ranaghat	18·0	12·9	12·0	24·0	Chupra	11·1	33·2	19·1	14·1
Santipore ... ..	...	18·3	15·8	19·3	Bhagalpore ... ..	...	46·2	50·7	37·1
Jessore	12·2	...	12·2	30·6	Monghyr	46·1	51·5	44·3	36·7
Rampore Beaulah	36·8	36·8	44·7	44·7	Purneah	13·9	3·4	27·7	6·9
Darjiling	14·8	...	14·8	44·5	Poori	16·8	21·0	27·3	14·7
Dacca	13·0	27·9	31·1	24·0	Total	19·4	29·1	28·9	24·2

It will be seen that last week the highest birth-rate was returned from Narainganj (74·5) and the lowest from Purneah (6·9).

DEATHS.

The deaths registered during the week under review correspond to an annual rate of 23·4 per 1,000 of the population. The rate of the week is 9·9 below the average rate of the corresponding week of the past five years, and also below the rate of the corresponding week of any of the past five years with which comparison is instituted—*vide* the figures below—

	1885.	1886.	1887.	1888.	1889.	Weekly average of five years, 1885-89.	1890.
Ratio of deaths per 1,000 of the population per annum	39·6	33·4	29·7	26·3	32·3	33·3	23·4

The deaths registered in each of the last four weeks in each of the twenty-seven towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	25th Oct. 1890.	1st Nov. 1890.	8th Nov. 1890.	15th Nov. 1890.		25th Oct. 1890.	1st Nov. 1890.	8th Nov. 1890.	15th Nov. 1890.
Burdwan	22·9	35·1	75·9	22·9	Narainganj	41·4	46·5	41·4	58·6
Midnapore	9·3	21·7	24·8	29·4	Chittagong ... ..	...	25·8	21·1	14·1
Hughli and Chinsurah	14·8	31·2	27·9	51·5	Comillah	23·1	11·6	23·1	19·3
Serampore	60·8	82·4	45·1	72·6	Patna City	15·9	13·3	16·9	14·3
Uttarpara ... ..	...	56·6	37·7	66·1	Gya	34·8	27·3	44·4	44·4
Howrah	19·5	18·9	19·5	22·0	Arrah	8·4	10·8	22·7	12·0
Bali	23·1	14·0	24·6	21·1	Mozufferpore	14·6	14·6	26·7	17·0
Krishnagar	3·8	11·4	18·9	5·7	Durbhanga	29·9	26·0	14·2	18·9
Ranaghat	24·0	24·0	6·0	12·0	Chupra	23·1	17·1	12·1	8·0
Santipore ... ..	...	16·5	19·3	7·0	Bhagalpore ... ..	...	18·1	16·3	17·2
Jessore	36·6	49·0	24·5	49·0	Monghyr	24·4	37·1	40·7	27·1
Rampore Beaulah	49·9	39·4	47·3	13·1	Purneah	26·8	27·7	24·2	13·9
Darjiling	44·5	66·7	20·6	7·4	Poori	18·9	35·7	25·2	65·0
Dacca	23·9	26·8	21·4	15·6	Total	29·2	23·7	23·9	23·4

It will be seen that last week the highest mortality occurred in the town of Serampore (72·6) and the lowest in Krishnagar (5·7).

Measured by last week's mortality, the highest annual death-rates from cholera, fever and other causes occurred in the following towns:—

<i>Cholera.</i>		<i>Fever.</i>		<i>Bowel-complaints.</i>		<i>Other causes.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Monghyr	... 6·3	Serampore	... 31·4	Narainganj	... 20·7	Serampore	... 21·6
Gya	... 4·1	Poori	... 31·4	Serampore	... 17·6	Narainganj	... 20·7
Patna City	... 3·6	Jessore	... 30·6			Poori	... 18·9
		Hughli	... 29·5			Gya	... 14·3
		Gya	... 22·5			Midnapore	... 13·9
						Hughli	... 13·1

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 1·8 from cholera, against 1·9 per 1,000 in the preceding week; ·2 from small-pox against ·04; 10·5 from fever, against 11·3; 3·7 from bowel-complaints, against 2·7; ·3 from injury, against ·5; and 6·9 from other causes, against 7·4 in the preceding week. The mortality from small-pox is noticeably severe in Chittagong, there being three deaths (7· per 1,000 of population per annum).

The mortality of last week according to *Sex*, *Class* and *Age* was as follows:—

<i>According to Sex.</i>		<i>According to Class.</i>		<i>According to Age.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	... 25·7	Christians	... 14·9	Under 1 year	... 168·0
Females	... 20·9	Hindus	... 23·8	1 and under 5 years	... 25·2
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	123	Mahomedans	... 22·6	6 " 10 "	... 14·1
				10 " 15 "	... 10·8
				15 " 20 "	... 12·2
				20 " 30 "	... 17·0
				30 " 40 "	... 15·4
				40 " 60 "	... 20·8
				50 " 60 "	... 28·2
				60 years and upwards	... 53·8

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Pub. Health, Camb.*,

The 29th November 1890.

Sanitary Commissioner for Bengal.

[illegible]

MORTALITY ACCORDING TO—										Age.											
DISTRICTS.		NAMES OF MUNICIPALITIES.		DEATHS AMONG—						DEATHS.						RATIO PER 1,000 OF POPULATION PER ANNUM.					
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PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1890-91.

Areas leased for irrigation up to the end of August 1890.

CIRCLE.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilised.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	DETAILS OF AREAS LEASED.								Rainfall, 1890-91.		Rainfall, 1889-90.		REMARKS.	
								Five years, all crops.	Five years, kharif.	Annual leases.						GRAND TOTAL.	During month.	Up to end of month.	During month.		Up to end of month.
										Kharif.	Rabi.	Sugarcane.	Bhadol.	Hot-weather.	Total.						
ORISSA	Cuttack	Taldunda, 1st reach	C. ft. 1,342	C. ft. 557	C. ft. 144	Acres. 10,661	Acres. 9,270	Acres. 10,217	Acres. 423	Acres. 13	Acres. 436	Acres. 10,653	Inches. 7'30	Inches. 36'18	Inches. 18'29	Inches. 46'27	No gauge fixed.	30 Days discharging.	24 Days discharging.	30 Days discharging.	24 Days discharging.
		Ditto, 2nd "	566	242	144	10,661	9,270	10,217	423	13	436	10,653	7'30	36'18	18'29	46'27					
		Machgong	786	266	266	29,235	27,171	29,094	128	14	142	29,236	7'50	40'70	13'55	44'05					
		Kendrapara	1,067	802'84	693'86	49,547	46,917	51,578	3,318	55	3,353	54,931	4'00	22'34	15'37	46'13					
		Gobri	372'82	55'62	54'96	2,504	1,844	2,291	208	1	209	2,500	9'12	27'89	15'21	46'33					
		Do. extension	648	58'09	62'22	3,120	1,785	2,147	4	1	5	2,151	4'30	28'45	25'30	44'25					
		Patamondi	885	416'48	348'32	10,061	7,259	10,297	60	5	65	10,357	4'30	28'45	25'30	44'25					
		High Level, Range I	698	393'19	320'14	19,890	17,379	25,099	91	5	96	25,195	4'30	28'45	25'30	44'25					
		Ditto, ditto II	727'16	46	31	2,445	2,280	2,466	29	1	30	2,485	4'30	28'45	25'30	44'25					
		Ditto, ditto III	727'16	526	526	37,694	35,342	39,117	141	1	142	39,258	6'89	27'00	25'30	30'76					
		Total				165,457	149,247	172,296	4,261	209	4,470	176,766									
		Total of the corresponding period of last year						151,083		5,895	155	6,050	157,138								
SOUTH-WESTERN.	Midnapore	Midnapore	1,411	695	667	69,406	58,875	69,086			69,086	5'41	35'44	13'14	34'27	No gauge fixed.	30 Days discharging.	24 Days discharging.	30 Days discharging.	24 Days discharging.	
		Panchkoora	522	79	69	4,139	2,585	4,584	43		43	4,627	4'11	30'50	14'61						37'37
		Tidal reaches, Ranges I-II				363	357	396			396										
		Total				73,908	61,817	74,056	43		43	74,099									
		Total of the corresponding period of last year						62,941				62,941									
SONN	Shahabad	Western Main	4,342	627	52	10,055	12,511	11,560	1,457	234	1,691	13,251	16'05	30'12	11'77	33'90	No gauge fixed.	30 Days discharging.	24 Days discharging.	30 Days discharging.	24 Days discharging.
		Buxar	1,226	454	147	42,487	47,417	51,545	1,955	1,109	3,064	57,244	13'06	51'47	12'88	33'96					
		Arrah	2,000	922	585	101,596	108,542	90,843	9,643	2,216	11,859	108,522	16'75	51'19	12'43	35'46					
		Eastern Main	1,466	823	460	1,369	747	1,484	27	8	35	1,520									
		Patna and Gya.				41,792	42,276	39,255	11,346	410	168	11,924									
		Total				197,693	211,533	194,727	24,428	3,977	28,405	223,125									
		Total of the corresponding period of last year						167,050	60,705	4,690	805	11,891	77,991	245,041							
		Grand Total				437,058	422,597	194,727	24,428	4,261	4,186	48,441	465,120								
		Grand Total of the corresponding period of last year						167,050	214,029	60,705	5,895	4,745	84,041								

CALCUTTA,
The 1st December 1890.G. A. G. SHAW, E.
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee, and Brahmapootra for the month of August 1890.

DATE.	Miles.	RIVER GANGES.																RIVER BHAGIRUTHEE.		RIVER JELLINGHEE.		RIVER BRAHMAPOOTRA.							
		Mirzapur.		Benares.		Buxar.		Dinapur.		Monghyr.		Sahebgunge.		Rampore Beaulah.		Goalundo.		Berhampore.		Sarupgunge.		Gowhatty.							
		96		134		48		90		177		87		287		110		381		94		471		90		591		120	
		From Allahabad ...	Height over zero.	From Allahabad ...	Height over mean sea-level.	From Mirzapur ...	Height over zero.	From Benares ...	Height over mean sea-level.	From Benares ...	Height over zero.	From Benares ...	Height over mean sea-level.	From Benares ...	Height over zero.	From Benares ...	Height over mean sea-level.	From Benares ...	Height over zero.	From Benares ...	Height over mean sea-level.	From Benares ...	Height over zero.	From Benares ...	Height over mean sea-level.	From Benares ...	Height over zero.	From Benares ...	Height over mean sea-level.
1st	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
2nd	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
3rd	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
4th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
5th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
6th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
7th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
8th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
9th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
10th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
11th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
12th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
13th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
14th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
15th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
16th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
17th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
18th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
19th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
20th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
21st	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
22nd	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
23rd	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
24th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
25th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
26th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
27th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
28th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
29th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
30th	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						
31st	...	36.75	23.97	30.50	22.30	25.35	19.40	29.50	163.73	25.42	127.27	25.00	93.00	23.81	65.81	21.75	30.69	28.50	62.24	26.71	21.01	27.00	175.76						

CALCUTTA,

The 2nd December 1890.

G. A. G. SHAW,

Under-Secretary to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 29th November 1890, as compared with the corresponding week of the previous year.

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 29TH NOVEMBER 1890.			WEEK ENDING SATURDAY, THE 30TH NOVEMBER 1889.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	459	68,150	1,044	136	12,975	168
Jute ...	406	2,12,650	3,747	402	1,87,210	3,414
Firewood ...	159	87,800	1,290	102	55,775	790
Other articles ...	1,382	3,10,775	4,982	1,088	2,16,140	3,435
Total ...	2,406	6,78,875	11,063	1,728	4,71,100	7,807

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 22nd November 1890, on 1,525½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchan- dise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	242,421	*3,10,857 4 0	21,10,501 10	5,80,861 11 0	16,204 2 4	9,07,923 1 4	72,062	76,028½	148,090½
Or per mile of railway ...	...	203 12 5	...	380 12 4	10 9 11	595 2 8	...	...	...
For previous 20 weeks of half- year ...	4,488,734	48,03,877 3 0	3,70,82,912 30	87,38,033 0 6	3,20,705 8 1	1,38,63,615 11 7	1,293,238	1,512,931½	2,806,169½
Total for 21 weeks ...	4,731,155	51,14,734 7 0	3,91,93,414 0	93,18,894 11 6	3,36,909 10 5	1,47,70,538 12 11	1,365,300	1,588,960½	2,954,260½
COMPARISON.									
Total for corresponding week of previous year ...	238,099½	3,45,941 5 7	22,89,128 0	5,80,630 5 9	22,857 2 5	9,40,428 14 9	66,919	82,058	150,977
Per mile of railway correspond- ing week of previous year ...	...	226 12 4	...	380 9 10	14 15 9	622 5 11	...	...	...
Total to corresponding date of previous year ...	5,054,583½	55,71,709 14 7	4,30,70,299 30	97,93,456 0 0	3,42,383 3 1	1,57,06,549 1 8	1,375,647	1,679,531	3,055,178

* The decrease in coaching traffic is chiefly due to figures for the corresponding period of 1889 having included earnings on account of certain troop extra and mule special trains which ran between E. B. & N.-W. Railways.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 23RD NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 22ND NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 23RD NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 22ND NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
1,903½	Rs. 9,40,429	Rs. 622	1,525½	Rs. 9,07,923	Rs. 595	1,525½	Rs. 2,77,83,301	Rs. 535	1,525½	Rs. 2,58,02,929	Rs. 497	...	Rs. 19,50,373

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 22nd November 1890, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,183	5,238 4 0	54,192 30	3,351 9 0	38 14 0	8,628 11 0	1,745	649	2,394
Or per mile of railway ...	178	91 9 3	947 29	58 9 6	0 10 10	150 13 7	.....	.....	.....
For previous 20 weeks of half-year ...	*254,928	*1,50,025 13 0	†6,09,834 0	†44,389 14 0	‡646 11 0	1,95,062 6 0	27,669½	10,700	38,369½
Total for 21 weeks ...	265,111	1,55,264 1 0	7,24,026 30	47,741 7 0	685 9 0	2,03,691 1 0	29,414½	11,349	40,763½
COMPARISON.									
Total for corresponding week of previous year ...	11,188½	5,889 10 2	70,202 20	3,090 13 0	56*11 9	9,057 2 11	1,835	1,084	2,919
Per mile of railway corresponding week of previous year ...	196	102 15 5	1,227 20	54 0 7	0 15 11	157 15 11	.....	.....	.....
Total to corresponding date of previous year ...	295,917½	1,65,507 1 11	9,62,951 20	47,806 4 0	1,496 13 0	2,14,810 2 11	32,482	15,548	48,030

* Added number of passengers 24,682 and Rs. 14,107 0 0 }
 † Ditto Mds. 2,172-10 and deducted .. 15 14 0 } on account of differences between the approximate and audited returns to week ended 11th October 1890.
 ‡ Deducted .. 11 15 0 }

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 23RD NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 22ND NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 23RD NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 22ND NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	9,037	158	57½	8,629	151	57½	3,28,806	169	57½	*3,32,651	171	3,845	.....

Added Rs. 14,079 on account of difference between the approximate and audited figures to week ended 11th October 1890.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 22nd November 1890, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	18,070	4,516 15 0	9,787 0	414 0 0	5 8 0	4,936 7 0	896	72	968
Or per mile of railway ...	.....	203 0 2	.....	18 9 9	0 3 11	221 13 10	.....	.....	.....
For previous 20 weeks of half-year ...	*328,644	*80,079 10 0	†1,35,365 20	†4,911 8 0	‡116 14 0	85,108 0 0	18,071	969	19,040
Total for 21 weeks ...	346,714	84,696 9 0	1,45,122 20	5,323 8 0	122 6 0	90,044 7 0	18,967	1,031	19,998
COMPARISON.									
Total for corresponding week of previous year ...	14,246	3,489 3 3	5,560 0	207 11 0	3 8 0	3,700 6 3	927	125	1,052
Per mile of railway corresponding week of previous year ...	.....	156 13 1	.....	9 5 4	0 2 6	166 4 11	.....	.....	.....
Total to corresponding date of previous year ...	373,483	91,185 10 9	1,95,940 30	5,339 8 0	124 7 9	96,649 10 6	19,299	1,524	20,823

* Added No. of passengers 4,532 and Rs. 884 0 0 }
 † Ditto Mds. 1,766-10 and deducted .. 427 4 0 } on account of differences between the approximate and audited returns to week ended 11th October 1890.
 ‡ Ditto .. 10 0 0 }

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 23RD NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 22ND NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 23RD NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 22ND NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	3,700	166	22½	4,936	222	22½	1,79,287	237	22½	*1,75,094	231	.....	4,195

* Added Rs. 467 on account of difference between the approximate and audited figures to week ended 11th October 1890.

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K.-D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 15th November 1890, on 763 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	128,076	71,410 0 0	6,60,399 0	1,78,250 0 0	16,120 0 0	2,65,780 0 0	20,000	35,537	55,537
Or per mile of railway ...	168	94 0 0	868 0	234 0 0	† 0 0	329 0 0	.....	.....	.....
For previous 19 weeks of half-year ...	2,622,573	11,43,174 0 0	1,12,35,021 0	28,40,175 0 0	3,03,436 0 0	*42,86,785 0 0	410,499	630,429	1,040,928
Total for 20 weeks	2,750,649	12,14,584 0 0	1,18,95,611 0	30,18,425 0 0	3,19,556 0 0	45,52,565 0 0	430,499	665,966	1,096,465
COMPARISON.									
Total for corresponding week of previous year ...	145,591	78,729 0 0	6,08,929 0	1,75,038 0 0	19,180 0 0	2,72,947 0 0	22,310	35,084	57,394
Per mile of railway corresponding period of previous year ...	195	105 0 0	815 0	234 0 0	† 0 0	341 0 0	.....	.....	.....
Total to corresponding date of previous year ...	2,861,973	12,82,831 0 0	1,24,75,967 0	30,82,214 0 0	3,47,916 0 0	47,12,961 0 0	451,487	635,960	1,090,447

* Audited up to week ending 20th September 1890.

† Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 15TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 15TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 15TH NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
747	2,72,947	365	763	2,65,780	348	715	68,48,463	290	759	*69,35,223	277	86,820	.....

* Audited up to week ending 20th September 1890.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 15th November 1890, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,337	9,000 0 0	45,025 0	3,730 0 0	550 0 0	13,280 0 0	3,713	1,992	5,705
Or per mile of railway ...	179	72 0 0	369 0	30 0 0	4 0 0	106 0 0	.....	.....	.....
For previous 19 weeks of half-year ...	476,998	1,83,114 0 0	7,82,872 0	65,085 0 0	2,838 0 0	*2,21,037 0 0	67,959	38,868	106,827
Total for 20 weeks	499,335	1,82,114 0 0	8,27,897 0	68,815 0 0	3,388 0 0	2,34,317 0 0	71,672	40,860	112,532
COMPARISON.									
Total for corresponding week of previous year ...	27,808	11,089 0 0	39,462 0	2,708 0 0	200 0 0	13,907 0 0	3,587	2,085	5,672
Per mile of railway corresponding period of previous year ...	223	89 0 0	315 0	22 0 0	1 0 0	112 0 0	.....	.....	.....
Total to corresponding date of previous year ...	534,975	1,89,481 0 0	11,94,140 0	1,11,510 0 0	3,491 0 0	3,04,482 0 0	70,769	49,103	119,872

* Audited up to week ending 20th September 1890.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 15TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 15TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 15TH NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	13,907	112	125	13,280	106	125	4,84,329	117	125	*3,90,826	97	.....	84,503

* Audited up to week ending 20th September 1890.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 15th November 1890, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	14,171	5,020 0 0	37,677 0	3,530 0 0	90 0 0	8,640 0 0	2,410	694	3,104
Or per mile of railway ...	164	58 0 0	438 0	41 0 0	1 0 0	100 0 0	.....	.....	.....
For previous 19 weeks of half-year ...	282,611	91,902 0 0	3,60,996 0	33,236 0 0	4,834 0 0	*1,20,072 0 0	45,191	13,457	58,648
Total for 20 weeks ...	296,782	96,922 0 0	3,98,673 0	36,766 0 0	4,924 0 0	1,38,612 0 0	47,601	14,151	61,752
COMPARISON.									
Total for corresponding week of previous year ...	16,744	5,167 0 0	36,906 0	3,869 0 0	143 0 0	9,179 0 0	2,548	1,449	3,997
Per mile of railway corresponding period of previous year ...	195	60 0 0	429 0	45 0 0	2 0 0	107 0 0	.....	.....	.....
Total to corresponding date of previous year ...	501,117	96,483 0 0	4,69,206 0	38,937 0 0	4,130 0 0	1,39,559 0 0	49,769	18,719	68,488

* Audited up to week ending 20th September 1890.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 16TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 15TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 16TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 15TH NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	9,179	107	86	8,640	100	86	2,13,838	75	86	*2,20,473	78	6,635	.....

* Audited up to week ending 20th September 1890.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 15th November 1890, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,356	910 0 0	7,914 0	410 0 0	30 0 0	1,350 0 0	500	250	750
Or per mile of railway ...	86	33 0 0	290 0	15 0 0	1 0 0	49 0 0	.....	.....	.....
For previous 19 weeks of half-year ...	55,253	19,598 0 0	1,98,571 0	10,756 0 0	282 0 0	*30,033 0 0	16,252	6,304	22,556
Total for 20 weeks ...	57,609	20,508 0 0	2,06,485 0	11,165 0 0	312 0 0	31,985 0 0	17,752	6,554	24,306
COMPARISON.									
Total for corresponding week of previous year ...	2,963	1,119 0 0	15,086 0	1,033 0 0	14 0 0	2,166 0 0	586	340	926
Per mile of railway corresponding period of previous year ...	109	41 0 0	576 0	38 0 0	.....	79 0 0	.....	.....	.....
Total to corresponding date of previous year ...	62,116	22,658 0 0	1,72,301 0	11,376 0 0	1,416 0 0	35,450 0 0	11,370	7,627	18,997

* Audited up to week ending 20th September 1890.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 16TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 15TH NOVEMBER 1890.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 16TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 15TH NOVEMBER 1890.			Total increase in 1890.	Total decrease in 1890.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	2,106	79	27½	1,350	49	27½	61,029	68	27½	*57,087	64	.....	3,642

* Audited up to week ending 20th September 1890.

BENGAL AND NORTH-WESTERN AND TIRHOOT RAILWAYS.

COMBINED SYSTEM.

Approximate Return of Traffic for week ended 15th November 1890, on 691 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week ...	65,670	25,996	4,32,770	56,550	8,470	91,010	12,050	16,590	(a) 28,640
Or per mile of railway ...	95'04	37'61	626'30	81'84	12'26	131'71	.....	.....	.....
For previous 18 weeks of half-year ...	1,364,959	5,32,639	48,61,184	6,10,040	1,26,987	12,69,066	228,962	220,007	448,969
Total for 19 weeks ...	1,430,629	5,58,629	52,93,954	6,66,590	*1,35,457	13,60,076	241,012	236,597	477,609
COMPARISON.									
Audited figures.									
Total for corresponding week of previous year, 649 miles open...	97,878	38,649	3,19,723	39,203	12'223	87,075	12,445	12,096	24,541
Per mile of corresponding week of previous year ...	150'81	59'55	492'64	55'78	18'84	134'17	.....	.....	.....
Total to corresponding date of previous year ...	1,593,059	6,00,690	52,19,357	5,96,835	1,58,990	13,56,515	227,027	240,061	467,088

* Steam-boat earnings for the week, Rs. 7,600.
 Ditto ditto to date, .. 1,04,740.
 * Ajodhya bridge earnings for the week, .. 380.
 Ditto ditto to date, .. 5,440.

(a) Train mileage figures :-
 Bengal & N.-W. Section. Tirhoot Section.
 Coaching ... Rs. 5,750 Rs. 6,300
 Goods 6,930 9,600
 Total 12,680 15,900

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal and North-Western and Tirhoot Railways.

RECEIPTS FOR WEEK ENDING 15TH NOVEMBER 1889.			RECEIPTS FOR WEEK ENDING 16TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH NOVEMBER 1889.			TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 16TH NOVEMBER 1889.			Total increase in 1890-91.	Total decrease in 1890-91.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
691	91,010	131'71	649	87,075	134'17	674	29,83,756	121'72	649	26,72,168	125'31	11,588	.....

N.B.—Earnings of B. and N.-W. Section.
 Week ended 15-11-89. Week ended 16-11-89.
 Coaching ... Rs. 11,590 Rs. 17,669
 Goods 18,940 12,669
 Other earnings 4,950 8,975
 Total 35,480 39,304

Earnings of Tirhoot Section.
 Week ended 15-11-89. Week ended 16-11-89.
 Coaching ... Rs. 14,490 Rs. 20,980
 Goods 37,610 23,543
 Other earnings 3,520 3,248
 Total 55,620 47,771

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 15th November 1890 ...	13,671
Corresponding period of 1889 ...	10,955
Increase ...	2,716
Receipts per mile for week ending 15th November 1890 ...	Rs. A. P. 268 0 11
Corresponding period of 1889 ...	214 13 1
Increase ...	53 3 10
Receipts from 1st July to 15th November 1890 ...	2,20,076
Corresponding period of 1889 ...	2,25,825
Decrease ...	5,749



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, DECEMBER 10, 1890.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE CHITTAGONG DIVISION FOR THE YEAR 1889-90.

GENERAL DEPARTMENT—MISCELLANEOUS.

Calcutta, the 9th December, 1890.

RESOLUTION.

READ—

The General Administration Report of the Chittagong Division for the year 1889-90.

The report is submitted by Mr. Lyall, who was in charge of the Division during the year with the exception of three months, when Mr. Veasey acted as Commissioner.

2. Owing to political considerations in connection with the Chin-Lushai Expedition, the Commissioner during the touring season could not leave the Kurnafuli Valley, to

Tours. which the Deputy Commissioner of the Hill Tracts was also confined. The tours made by the Collectors of Chittagong and Tipperah and by all sub-divisional officers were satisfactory, and a deficiency in the case of Noakhally is accounted for sufficiently.

3. The weather was favourable for rice and jute throughout the Division and bumper crops of both were obtained in Tipperah. There was, moreover, a happy conjunction of good harvests and high prices, and the Commissioner is able to record:—

Weather, crops, and condition of the people. “The condition of the agricultural classes, who form the bulk of the population, was raised to a point which it has certainly not reached for many years—probably never in parts

of the Division. In Chittagong, in addition to the good harvest, there was a brisk demand for labour in Aracan, so that the people quite got over the bad effects of the previous year. This district, however, has but little surplus crop, and the condition of the people improved less than in the more favoured districts of Noakhally and Tipperah.

"The people of Tipperah were stated last year to have got over the effects of the previous bad years, and the past year has raised the cultivators to a state of prosperity such as they have never before known. Zemindars, including Government, have in consequence realized rent with ease, loans have been repaid, and the Tipperah Loan Bank, Limited, was left at the close of the year with Rs. 30,000 out of its capital of one lakh of rupees uninvested, because there were no borrowers. This is easily understood when the value of the jute crop is considered. The ryots are calculated by the Collector to have received about 42 lakhs of rupees in cash for this crop alone, while its production at a liberal estimate cannot have cost 10 lakhs. The margin of profit is, therefore, very high. The district is so rich that, in spite of the large increase of jute cultivation, it still exports rice largely, and last year both Calcutta and Dacca took large quantities.

"Some people say that the increased cultivation of staples like jute interferes with the food supply. This is not the fact in Tipperah, as the exports of rice from Brahmanbariah show.

"The great bulk of the jute crop is grown in this subdivision, yet last year, it is calculated, rice and paddy to the value of 1½ million rupees were exported from the sub-division alone, without reckoning the exports from the rest of the district."

Even with respect to the Hill Tracts, where there was a partial failure of the important cotton crop and the Lushai Expedition was a disturbing factor, the Commissioner is able to say that "it is many years since the hillmen have been so free of debt as they are at this moment." A considerable number of persons emigrated during the year from these tracts to Hill Tipperah, but the movement appears due to occasional causes not likely to recur. The labourers of Chittagong visited Burma as usual at the busy season and on a somewhat increased scale, returning with sums varying from Rs. 10 to Rs. 80.

With regard to health, the Hill Tracts only are well spoken of; in the remainder of the Division there was considerable mortality from fever, and in Tipperah and Noakhally a large increase of deaths from cholera.

Trade and Commerce. 4. The following is extracted from the Commissioner's report:—

"The past year has been the best on record as regards the sea-borne trade of the port, in spite of the great falling off in the rice trade.

"The tables below show a falling off of 11 ships engaged in foreign trade, but an increase of tonnage, the average tonnage having increased from 1,233 tons to 1,447. If ships sailing under foreign flags be excluded, the average tonnage of ships sailing under the British flag is 1,602 tons. Interportal trade has also increased largely both in the number of ships engaged and in tonnage. This is partly due to the British India Steam Navigation Company's running two steamers a week for part of the year and partly to the larger quantity of jute imported:—

Foreign Trade.

	NUMBER OF VESSELS ENTERED.			TONNAGE.		
	Inwards.	Outwards.	Total.	Inwards.	Outwards.	Total.
1888-89 ...	45	50	95	56,588	60,604	117,192
1889-90 ...	43	41	84	61,509	60,056	121,565
Difference in 1889-90 ...	-2	-9	-11	+ 21	-548	+4,373

Interportal Trade.

	NUMBER OF VESSELS ENTERED.			TONNAGE.		
	Inwards.	Outwards.	Total.	Inwards.	Outwards.	Total.
1888-89 ...	845	837	1,682	165,318	165,495	330,813
1889-90 ...	982	982	1,964	176,550	179,445	355,995
Increase in 1889-90 ...	137	145	282	11,232	13,950	25,182

“The value of the total sea-borne trade of the port increased by the large sum of Rs. 51,13,005, the figures being Rs. 3,16,96,588 as against Rs. 2,65,83,583. Until now the figures of 1887-88 were the highest, but the past year shows an increase of Rs. 26,13,788 as compared with them. So recently as 1876-77 the whole value of the trade of the port was only Rs. 54,39,320, or little more than the increase of the past year, and in these 13 years the value of the trade of the port has sextupled itself, and this with no increased facilities.

“When the Assam Railway is in working, the growth should be even faster, and it is difficult to understand why, in the face of such an increase of trade, there should be any hesitation in making the railway.”

The Commissioner gives tables of articles of export and import and explains the fluctuations. There was a large decrease in the export of rice and paddy, the boat traders who generally supply Chittagong preferring to meet the demand in the western districts of Bengal as involving less danger to their boats and cargo. The great increase in the export of jute gives the Commissioner occasion to insist on the advantages that would accrue from a railway. He says:—

“The export of jute is the highest on record, being 222,843 cwt. over last year and 89,222 cwt. higher than 1887-88, which was up to then the highest figure.

“The growth of the jute export trade is very remarkable. It began in 1877-78, when the exports amounted to 130,775 cwt. Five years after, in 1882-83, it amounted to 1,149,257 cwt., and now it has reached 1,505,703 cwt., and this large figure would speedily be doubled if a railway were constructed.

“I do not use the word ‘doubled’ unadvisedly, but deliberately and with the full conviction that I am not guilty of exaggeration.”

The export of tea was 1,172,549 lb this year as compared with 1,222,786 lb last year; the decrease of 50,237 lb is attributed to weather unfavourable for production. In the Hill Tracts the trade in india-rubber is stated to have almost died out, the trees being probably exhausted.

5. The port of Chittagong under the Commissioners of the Port Trust (this being their first complete year of management) appears to be in a flourishing condition. The port fund closed with a credit balance of Rs. 1,10,397-5-3. The pilotage fund shows a debit balance of Rs. 4,970-6-4½, which will probably be decreased during the year. The barque *Grosvenor* was wrecked during the year, the *William Duthie* was destroyed by fire, and a fire, which was happily extinguished, occurred on board the barque *Ophelia* partly loaded with jute. Stringent rules are under consideration to meet this source of danger.

6. There was an increase in reported crime, from 14,955 cases in 1888 to 15,713 in 1889, which is accounted for only in so far as the prosperity of the cultivators afforded them greater facilities for petty prosecutions, and the demand for jute land in Tipperah led to the institution of charges of riot, trespass or mischief. Agrarian disputes of every kind are evidently in this Division a fertile source of crime, or at least of collisions involving subsequent magisterial proceedings; and it is to be hoped that the settlement of the Chittagong district, which is being effected at present, may ultimately bring about permanent improvement in this respect, by removing the uncertainty as to possession or ownership which is at the root of such contentions. The Commissioner considers that the conduct of the police and of the chowkidars was good on the whole, noticing that in one important case considerable detective ability was displayed, and that there were few convictions of officers. The returns, however, show that an unusual proportion of prosecutions were unsuccessful, a failure attributed by the Commissioner to pressure of work which, he thinks, prevented Magistrates giving due attention to some cases, particularly in Chittagong and Tipperah. The explanation is of a novel character, and is hardly borne out by the facts that the percentage of convictions was lowest, not in Chittagong or Tipperah, but in the comparatively small district of Noakhally; and that it was most conspicuous in cases tried by benches. The Lieutenant-Governor notices with satisfaction the high tribute paid to the efficiency and good services of the frontier police.

7. The collections on account of land revenue were good, inasmuch as they exceeded the current demand and considerably reduced the outstanding balance. In regard to direct management the Commissioner observes:—

“The system of khas collection in Chittagong is now, I consider, an assured success, and Government is collecting a large and safe revenue at a cost of under 10 per cent. (9-5

was the exact figure last year), instead of paying 20 per cent. to izaradars and realizing from them with difficulty. All the five circles collected over 100 per cent. on the current demand, which was Rs. 3,94,874, the collections being Rs. 4,36,457. The highest percentage on the current demand was 119, which was obtained in the Raozan circle.

"In Tipperah, although the returns show a balance of Rs. 3,154 in estates under direct management, this was reduced by collections and remissions to Rs. 2,441, while advance collections reached the sum of Rs. 3,431, so that actually Rs. 990 were collected in excess of the whole demand, arrear and current. These figures prove the prosperous state of the district beyond contradiction."

In Noakhally results were not so good, and a scheme has since been prepared for effecting an improvement in the system.

In the Hill Tracts collections also improved, the table showing Rs. 2,51,651-3-4 as against Rs. 1,74,599-0-3 last year. But about Rs. 65,000 of this increase consists of a large accession to the post-office revenue, due to the Chin-Lushai Expedition.

8. The Commissioner notices the bad influence which is not unfrequently exercised in the administration of boards and municipalities by party spirit arising out of personal questions. But, he adds,—“in spite of such drawbacks, much good work has been done during the past year, particularly by the Tipperah Board, who have also ceased to employ primary school money in supporting higher class schools. They have in hand or in contemplation some really useful new roads and are about to deepen some important khals, and have taken up the question of increasing the number of dispensaries and of improving the water-supply of the district in a business-like spirit. They have also fostered improved steamer communication with other districts. The Noakhally Board, I think, showed a want of appreciation of the importance of improving the inland water system of the district in deciding to drop the scheme for improving the Nadona khal, but they seem now disposed to take it up again.”

9. The Lieutenant-Governor desires to take this opportunity of acknowledging the valuable services of the tribal Chiefs in the Hill Tracts in getting together men for the Chin-Lushai Expedition. The thanks of the Lieutenant-Governor are given to Mr. Lyall for his excellent administration of the Division during the past and many previous years. The remarks of the Commissioner regarding the conduct of officers will, as usual, be forwarded to the Appointment Department; those upon Mr. Slack, Collector of Chittagong, are noticed by His Honour as particularly favourable.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Govt. of Bengal.

REPORT ON EMIGRATION FROM THE DISTRICT OF SARUN.

The following report is published at the suggestion of the Commissioner of Patna for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary. to the Govt. of Bengal.

The 4th December, 1890.

No. 609G., dated Bankipore, the 30th September, 1890.

From—W. KEMBLE, Esq., Offg. Commissioner of the Patna Division,
To—The Secretary to the Government of Bengal, General Department.

I HAVE the honour to forward a copy of an interesting report by the Collector of Sarun on the emigration from his district for publication, if it is considered advisable, in the *Calcutta Gazette*. It was first received more than two months ago, but was returned to Mr. Bourdillon at his own request in order that some further and fuller information regarding travellers by railway, which he hoped to be able to procure, might be incorporated in it. These hopes have, however, not been realized, as he has ascertained that as yet most of those who emigrate from Sarun make their journey on foot.

2. The noticeable feature in this emigration is that it is only temporary. So long as the women will not emigrate, and the men send all their earnings back to their homes, returning themselves at intervals, there is no hope of reducing the pressure of the people on the land. Under the circumstances, emigration seems likely to bring about an increase in population.

3. The absence of emigration to Assam is remarkable. I would remark that Goalpara is not one of the Assam tea districts: it belongs properly to the same category as Rungpore. It is satisfactory to see that Sarun men have found their way to Burmah.

No. 1401, dated Chupra, the 8th—10th July, 1890.

From—J. A. BOURDILLON, Esq., Magistrate of Sarun,
To—The Commissioner of the Patna Division.

In my Annual Administration Report for the year 1889-90, I mentioned that I had been making enquiries about emigration from Sarun, and that I hoped to submit a further report before long. The compilation of the materials for this report has been a more tedious task than I had anticipated, and it is only now that I am able to lay it before you.

2. Four sources of information on this subject are available, viz., (a) the people themselves, through the medium of the police, unofficial Europeans, and other local residents in the district; (b) the statistics of distribution at the census of 1881; (c) the figures of the Postal Department in regard to money-orders paid in Sarun; and, lastly, (d) statistics of passenger traffic on the railway. The facts and inferences afforded by the first three will be found detailed below.

3. Emigration from Sarun should be divided first of all into the *quasi*-permanent and the temporary. In the former category I place all those cases in which men leave the district for a year or two at a time, or even longer; the temporary emigration, on the other hand, lasts only a few months.

4. The *quasi*-permanent emigration is affected mostly by two classes of persons—Mahomedans and better class Hindus. The Mahomedans go very largely to Calcutta where they may be found in domestic service as khidmatgars, syces, and drivers of hackney carriages. The better class Hindus go as cartmen and durwans to Calcutta and Darjeeling, while a considerable number of lower caste men, such as Chamars, Dusadhs, and Gareris go as syces. These men remain away for a year or two—sometimes more—making remittances and paying occasional visits to their homes. When a Mahomedan or a low caste Hindu is once well established in a good situation or business, he not infrequently sends for his wife and family.

5. As to the earnings of these people it is difficult to make any exact calculation. They certainly do well, for besides keeping themselves in an expensive place like Calcutta, they remit considerable sums home. Light is sometimes thrown on this side of native life by small incidents. In 1887 a Sarun Mahomedan was executed here for the murder of his aunt following on a quarrel about the expenditure of money he had sent from Calcutta.

It appeared that he had remitted Rs. 80 in two years, and he had led by no means an economical life nor been in continuous employ: the man was by profession a wrestler and as such had travelled literally all over India, but had been, among other things, a gentleman's servant, a ticca-garry driver, and a river boatman.

6. The better class Hindu cartman drives down his cart and bullocks to Calcutta, and when he has repaid his mahajan and made as much as he thinks sufficient, he sells them off and returns home.

7. A few are now going to Burmah voluntarily, besides the very considerable numbers in the Burmah Military Police. These are chiefly domestic servants, such as dhobis, sweepers, and bearers, and they generally follow some relation or fellow villager who has preceded them to this El Dorado.

8. The tea districts and the colonies generally known as "Mirich" (Mauritius) get very few men from Sarun, and the figure of the recruiter is seldom seen. The few who do go to the labour districts go privately following some friend or relation, while my experience of the emigrants over sea is that they are usually people who, for some reason or other, find absence from their village advisable. A few do go however. Mr. Reid of Moniara quotes the case of a man in his *dehat* who has returned from Natal with Rs. 10,000. In another part of the district two coolies from the Mauritius, husband and wife, brought back a sum of Rs. 3,500, which proved a veritable Pandora's box to them.

9. On the whole, however, the quasi-permanent emigrants do not contribute one-tenth of the Sarun men who may be found in the cold weather scattered all over Upper India. These are mostly mere winter visitants, and to them I now turn.

10. Even in a district so purely agricultural as this, there is not constant employment in the fields for all its swarming population except at one season of the year. The first season of agricultural leisure (to follow the order of the Hindu year) is when the *rubbi* is sown: this is usually accomplished by the end of Kartic (middle of November), and then nothing has to be done except by the poppy cultivators till Phagun-Chait when the *rubbi* has to be cut (March and April). Moreover, the indigo manufacturing season is over and cattle and men all require rest. But even in the *rubbi* harvest all the men of a family are not required, for the light crops of an Indian harvest are gathered very largely in this district by women and children. Consequently there is no work for all the men till the rain falls, when the lands have to be prepared and the *bhadoi* and the rice sown, and when this is done it is time to commence once more the cutting and carting of indigo for manufacture.

11. Seeing, then, that their presence at home is absolutely necessary only from June till November, an immense number of Sarun men spend the months from December to May elsewhere. As soon as the *rubbi* is sown, the exodus begins. Formerly it was confined to the lower classes, but of late years it has been shared by all. Three great characteristics, besides that of brevity, distinguish this emigration from the other, viz., the emigrants go in other directions, all classes go, and hardly any women go except to very near-at-hand places.

12. The destination of a vast proportion of the winter emigrants is "the East" as they themselves call it, and when pressed for further detail it will be found that this means Purneah and Bhagulpore in the Bhagulpore Division, Bogra, Rungpore and Darjeeling in the Rajshahye Division; or further east still, beyond Calcutta and Howrah—the districts of Dacca and Mymensingh. Field labour of the simplest description is the object of these men, such as digging and cleaning tanks, repairing roads, making railway embankments and harvesting the winter rice crop. When women go they either work with their husbands, or else earn an income by grinding corn for the Banias. Some few follow the homely slighted Kahar's trade; while the great majority of those who go to Calcutta and Howrah work as common coolies in the streets, or as mill hands in the mills round the metropolis. The earthwork of the Assam-Bihar Railway through Purneah, and of the Northern Bengal Railway in Rungpore, Bogra and Dinagepore, has been largely constructed by Sarun men, and the preparation of the Mymensing-Dacca Branch of the Eastern Bengal Railway attracted a considerable number who now repeat their annual visit to cut the jute in Mymensing and load it in Dacca and Naraingunge.

13. The result of many enquiries seems to show that these emigrants, provided that they keep their health, make about Rs. 50 or Rs. 60 each as profit. Part of this is sent home by money-order when half of their stay is over, and the remainder they bring with them in May and June. Out of this the mahajan has to be paid who advanced them the money necessary for their railway or road expenses and supplied the immediate wants of the family at home till remittances arrived from the eastward. I calculate, therefore, that a net profit of Rs. 30 or Rs. 40 is about what an ordinarily fortunate man makes over the trip. But the proviso quoted above is a very important one, and it is significant how universal is its introduction into all conversations on the subject. Fever is what the Behari fears in Bengal, and the fear of it is another potent inducement driving him home before the rains set in.

14. Mr. Hodding of Burhoga states that a native in his district has started an emigration agency. He charges Re. 1 a head for his services and interest at 25 per cent. on money advanced. In consideration of these payments he gives all information as to route, organizes parties, and lends money merely on personal security. He is said to be doing a good business.

15. The above facts, based mostly on the statements of planters and others, are fully borne out by the figures of the census and the statistics of the Postal Money-order Department.

16. On the 17th February 1881, the number of Sarun born men found in other districts of these provinces was 124,211, and they were most numerous in the following districts :—

Chumparun	...	44,835	Purneah	...	2,824
Mozufferpore	...	10,995	24-Pergunnahs	...	2,798
Calcutta and Suburbs	...	9,081	Shahabad	...	2,204
Rungpore	...	7,269	Howrah	...	2,112
Patna	...	6,813	Dinagapore	...	2,068
Mymensingh	...	5,124	Monghyr	...	1,979
Durbhunga	...	3,593	Maldah	...	1,712
Bhagulpore	...	3,335	Tipperah	...	1,534

17. Omitting the other districts of the Patna Division between which and Sarun there is of course a constant coming and going, it will be seen that the districts stand in the following order :—

Calcutta and Suburbs,	Bhagulpore,	Dinagapore,
Rungpore,	Purneah,	Monghyr,
Mymensingh,	24-Pergunnahs,	Maldah,
	Howrah,	Tipperah,

and this supports very closely the statements of local experts. Still further confirmation to them is afforded by an examination of the comparative figures for male and female emigrants. In Calcutta and the Suburbs and in Howrah, where, as I have said, it is more common for emigrants to settle for some time, the proportion of women to men is 1 in 4, and in the 24-Pergunnahs it is 1 in 5; while in Dinagapore and Rungpore it is 1 in 10 and in Mymensingh, which contributes many boatmen, 1 in 41. In Purneah, Bhagulpore, Maldah and Monghyr, which are districts nearer home, the proportion is from 1 in $2\frac{1}{2}$ (Bhagulpore) to 1 in 8 in Maldah.

18. The statistics of the Postal Department afford similar information. By the courtesy of that department the registers of all money-orders paid in Sarun between the 1st January and 31st December 1889 were placed at my disposal, and I had them tabulated under my supervision.

The total amount paid away in that period was Rs. 11,22,350, and deducting the sum of Rs. 82,056, paid on orders issued from post-offices in the Sarun district, and which represent only local remittances, there remains a sum of Rs. 10,40,294 paid into the district from outside.

19. How much of this sum was sent in the way of family remittances, and how much in the course of trade or business, it is obviously impossible to say; but it is to be remembered that the money-order system has not yet touched that of remittance by *hoondi* and cheque, as means of adjusting commercial transaction, and it is to be noticed that the general average value of each of these money-orders was less than Rs. 20. When it is recollected also that whatever mercantile remittances took place were probably for largest sums, thus raising the general average, the conclusion seems incontrovertible that a vast majority of these orders were for very small sums and almost certainly family remittances.

20. I have tabulated in an appendix the localities from which these money-orders issued, and if the figures do not absolutely prove that Sarun men travel all over India, they show that they have correspondents all over the Empire.

21. The following is the order in which the different revenue divisions of these provinces stand in respect of their remittances, and lower down some district figures will be given :—

	Rs.		Rs.
Calcutta	1,44,935	Chittagong Division	12,766
Burdwan Division	92,144	Patna (excluding Sarun)	1,52,967
Presidency	72,818	Bhagulpore Division	83,994
Rajshahye	1,62,673	Orissa	2,287
Dacca	84,376	Chota Nagpore	15,941

The Rajshahye Division, it will be seen, is far ahead, and exceeds even the Calcutta remittances and those from the Patna Division, for it contains the districts of Darjeeling, Julpigoree and Rungpore. The Burdwan Division owes its high position to the figures for Hooghly and Howrah, the Presidency Division to the inclusion of the 24-Pergunnahs, and those of Dacca and Bhagulpore to the figures respectively for Mymensingh and Purneah.

22. Taking the districts in order, the first 16 are as follows :—

	Rs.		Rs.
Calcutta	1,44,935	Purneah	31,086
Darjeeling	65,548	Rungpore	29,595
Chumparun	51,671	Mozufferpore	25,274
Mymensingh	47,884	Dacca	23,182
24-Pergunnahs	45,649	Durbhunga	22,782
Julpigoree	40,507	Patna	22,325
Howrah	40,461	Bhagulpore	20,311
Hooghly	35,756	Monghyr	18,727

23. Omitting, as in paragraph 17 above, the other districts of the Patna Division, the order is as follows:—

Calcutta.	Julpigoree.	Rungpore.
Darjeeling.	Howrah.	Dacca.
Mymensingh.	Hooghly.	Bhagulpore.
24-Pergunnahs.	Purneah.	Monghyr.

A reference back to paragraph 17 will show that the home districts eliminated in each case are the same, viz., Chumparun, Mozufferpore, Patna, Durbhunga, and in the emigrant list only Shahabad.

24. But the close similarity will be all the clearer if the two lists are placed in juxtaposition as below, when it will be noticed that out of the 15 names which appear, eight are common to both lists and only seven appear in only one list, viz., Dinagepore, Maldah and Tipperah in the census list, and Darjeeling, Julpigoree, Hooghly and Dacca in the other—

Districts arranged by census figures.

Calcutta and Suburbs.
Rungpore.
Mymensingh.
Bhagulpore.
Purneah.
24-Pergunnahs.
Howrah.
Dinagepore.
Monghyr.
Maldah.
Tipperah.

Districts arranged by postal money-orders.

Calcutta.
Darjeeling.
Mymensingh.
24-Pergunnahs.
Julpigoree.
Howrah.
Hooghly.
Purneah.
Rungpore.
Dacca.
Bhagulpore.
Monghyr.

25. I do not know that much more remains to be said on the subject, except that I would draw attention to the figures for Assam in the appendix as bearing out my statement that very few Sarun men go to the Assam tea districts. The whole of Assam sends only Rs. 87,183, and there is only one district, viz., Goalpara, which sends more than Rs. 10,000.

26. The Burmah figures also are significant, and the total amounts to Rs. 46,951, of which Rs. 22,692, or nearly half, comes from Rangoon alone. It is also interesting to note that of the whole sum, only Rs. 4,908 was paid in the Sewan circle, thus leading to the conclusion that an appreciation of Burmah and its advantages as a colony has not yet reached into the more distant part of the district. It is also to be noted that nearly all the villages which send recruits to the army and the Burmah Police are in the south and east of the district.

27. Over the passenger statistics in the half-yearly revenue reports of the Bengal and North-Western Railway I have spent a good deal of time without much result. I had hoped to get figures showing month by month the passenger traffic out of the district and into the district, and the places whither and whence our railway passengers travelled. But I found that the preparation of these statistics was so elaborate and expensive an undertaking that it had to be abandoned. From the abstracts given in the reports I find that the inward passenger traffic by Digba Ghât is greater in the second-half year than in the first (Sonepore no doubt accounts for some of this), and that the outward passenger traffic, which, if many Sarun emigrants went by train, would be much larger in the second-half year than in the first, is in reality a good deal smaller, even though it includes the visitors returned from Sonepore.

28. This result is disappointing to me, as I had expected to find further proof in these figures of what I have already pointed out as a law of emigration; but it fully supports the allegations of many of my informants in the district, viz., that a vast majority of the Sarun emigrants tramp every foot of the way out and home.

Appendix showing the value and place of despatch of money-orders paid in Sarun in 1889.

	Rs.
Calcutta	1,44,935
Lower Provinces (excluding Calcutta and Sarun)	6,87,701
Assam	87,183
Burmah	46,951
North-Western Provinces and Oudh	47,340
Central Provinces	4,545
Punjab	5,825
Rajputana	3,437
Central India	1,262
Sindh and Beluchistan	235
Mysore	379
Coorg	150
Madras	3,711
Bombay	6,640
Total	10,40,294

J. A. BOURDILLON,
Magistrate.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 6th December 1890.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
Western Districts.			
BURDWAN DIV.	1 Burdwan Dec. 6, '90	Nil	Weather—bright and cold. <i>Amun</i> paddy being reaped with good outturn. <i>Rubbi</i> crops doing well. Prices of common rice:— Srs. Sudder ... 16½ Culna ... 16 Cutwa ... 19½ Ranigunge ... 17 } per rupee.
	2 Bankoora „ 6, '90	Nil	Weather—bright and cold. <i>Amun</i> harvest has commenced. <i>Rubbi</i> eaten by locusts in places. Such lands have been resown. Another swarm of locusts has just passed over the Sudder station from south-west to north-east. The size and colour of the insects are the same as of those that appeared on the 21st ultimo. Common rice selling at 20 seers per rupee at Sudder and 20½ seers at Bissenpore.
	3 Birbhum „ 6, '90	Nil	Weather—seasonable. The crops are being gathered in. Price of rice from 17 to 24 seers per rupee.
	4 Midnapur „ 6, '90	Nil	Weather—seasonable; growing colder. <i>Amun</i> rice being generally reaped; about 12 annas outturn expected. Prices of common rice:— Srs. Sudder ... 18 Tumlook ... 16 Ghatal ... 16 Contai ... 18 } per rupee.
	5 Hooghly „ 6, '90	Nil	Cold weather set in completely. Prospects of crops good. Outturn of rice may be expected to be 12 annas. Potatoes, peas, &c., expected to turn out well. Prices of common rice:— Srs. Sudder ... 13½ Serampore ... 13½ Jehanabad ... 16½ } per rupee.
	6 Howrah „ 6, '90	Nil	Weather—seasonable. Prospects of crops good. <i>Amun</i> crop being reaped. Coarse rice sells at 14½ seers per rupee.
PRESIDENCY DIV.	7 24-Pergha Dec. 9, '90	Nil	Weather seasonable. Prospects of crops good. Harvesting of <i>amun</i> and sowing of winter crops still continue. Locusts which appeared in parts of the Barrackpore, Baraset, and Bassirhat subdivisions are reported not to have done much damage to the crops. Price of common rice from 13 to 20 seers per rupee.
	8 Nuddea „ 6, '90	Nil	Weather—seasonable. Harvesting of winter rice, <i>kalai</i> , <i>mung</i> , and <i>til</i> going on. Prospects good.
	9 Khoolna „ 6, '90	Nil	Weather—seasonable. Harvesting of <i>amun</i> in progress. Prospects favourable except in flooded area.
	10 Jessore „ 6, '90	Nil	Weather—seasonable. Harvesting of <i>amun</i> and sowing of winter crops going on. Locusts have done some injury to the crops in all subdivisions except Jhesidah. Price of rice stationary, and prospects of standing crops good.
	11 Moorshedabad „ 6, '90	Nil	Weather—cool <i>Amun</i> being harvested. Prospects of <i>rubbi</i> favourable. <i>Kalai</i> doing well.
RAJSHAHY DIV.	12 Dinagepur „ 6, '90	Nil	Weather—seasonable. Prospects of crops continue good. Mustard sown to the extent of 10 annas. Price of rice unchanged.
	13 Rajshahye „ 6, '90	Nil	Weather—seasonable. Harvesting of <i>amun</i> continues. Reaping of sugarcane commenced. Condition of standing crops good. Sowing of winter crops begun. Transplantation of tobacco not finished.
	14 Rungpur „ 6, '90	Nil	Weather—cloudy with morning fogs. Great damage reported to have been done to the ripening paddy in many places by caterpillars. In other respects prospects are good all round.
	15 Bogra „ 6, '90	Nil	Weather—seasonable. State and prospects of crops satisfactory. Harvesting of winter rice and sowing of spring crops going on; some of the latter are growing well. Common rice selling at 16 seers per rupee.
	16 Pubna „ 6, '90	Nil	Weather—seasonable. Prospects of crops continue good. <i>Amun</i> being harvested. Mustard and tobacco sowings going on. Prices stationary.
	17 Darjeeling „ 6, '90	Nil	Weather—cold and misty. Winter rice being harvested. In the hills <i>bara marua</i> and <i>fafar</i> doing well. Prospects good. <i>Aghani</i> rice in Terai now estimated at 16 annas.
	18 Julpigoree „ 6, '90	Nil	Weather—seasonable. <i>Haimanti</i> paddy being cut; about 15 annas outturn expected. Sowing of mustard and tobacco going on. No change in the price of rice.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.			
Eastern Districts.			
Dacca Divn.	19 Dacca Dec. 6, '90	Nil	Weather—seasonable. Harvesting of <i>amun</i> going on. Winter crops being sown. In the <i>Monohardi mung</i> , <i>kalai</i> , and other <i>rubbi</i> crops reported to have been damaged by locusts. Price of common rice from 13 to 17 seers per rupee.
	20 Furreedpur „ 6, '90	Nil	Weather—seasonable. Harvesting of <i>amun</i> in progress. Sowing of winter crops will shortly be finished. Common rice selling at from 14 to 18 seers per rupee. Locusts appeared again on the 3rd instant.
	21 Backergunge „ 6, '90	Nil	Weather—cold and seasonable. State and prospects of crops good. Harvesting of <i>amun</i> commenced. Common rice selling at 13½ seers per rupee.
	22 Mymensingh „ 6, '90	Nil	Weather—mornings foggy; days clear, but occasionally cloudy. Reaping of <i>amun</i> paddy has begun. <i>Rubbi</i> crops doing well. Sugarcane ripening. Coarse rice sells at 16½ seers per rupee.
Chittagong Divn.	23 Chittagong „ 9, '90	Nil	Weather—seasonable. Cultivation of vegetable crop nearly over. Harvesting of early winter rice continues. State and prospects of <i>amun</i> very good. Prices steady.
	24 Noakholly „ 6, '90	Nil	Weather—seasonable. Reaping of <i>amun</i> and sowing of <i>rubbi</i> crops continue. Prospects good.
	25 Tipperah „ 6, '90	Nil	Weather—cold and sunshiny. <i>Amun</i> being cut. Cold-weather crops doing well.
	26 Chittagong Hill Tracts „ 4, '90	Nil	Weather—cold with foggy mornings throughout the week. Gathering of cotton continues. Mustard and other cold-weather crops progressing. Harvesting of late rice crop commenced. Common rice being sold at 11 seers 6½ chittacks per rupee.
BEHAR.			
Patna Divn.	27 Patna „ 6, '90	Nil	Weather—cold. Harvesting of paddy in progress. <i>Rahar</i> in flower. <i>Rubbi</i> crops look well. Prospects of poppy continue good. Prices of food-grains show a tendency to fall.
	28 Gya „ 6, '90	Nil	Weather—cold. Harvesting of paddy continues. Prospects of <i>rubbi</i> and poppy favourable. Prices of food-grains falling.
	29 Shahabad „ 6, '90	Nil	Weather—cool and bright with light west winds. State of all crops excellent. Harvesting of paddy continues. Price of rice falling.
	30 Durbhunga „ 6, '90	Nil	West winds prevailing. Harvesting of rice crop in progress. <i>Rubbi</i> crops have germinated well. Tobacco and <i>rahar</i> promising. Weather favourable for poppy plants. Price of common rice varying from 17 to 18 seers per rupee.
	31 Mozufferpur „ 6, '90	Nil	Weather—seasonable. Prospects of all crops continue good. Harvesting of <i>aghani</i> rice commenced. Poppy doing well.
	32 Sarun „ 6, '90	Nil	Weather—colder than before. <i>Rubbi</i> sowings completed; prospects excellent. Poppy sowings approaching completion. Paddy harvest commenced; outturn estimated in Sudder subdivision at 5 annas, in Sewan 8 annas, and in Gopalgunge 14 annas.
	33 Chumparun „ 6, '90	Nil	Weather—cool; occasionally cloudy. <i>Rubbi</i> and poppy sowings coming to a close; germination healthy and young plants doing well. Harvesting of paddy in progress; new rice has begun to come into the market. Prices tending to fall.
Bhagalpore Divn.	34 Monghyr „ 6, '90	Nil	Weather—seasonable. Harvesting of winter rice in progress. <i>Rubbi</i> sowings still going on. Prospects continue favourable.
	35 Bhagulpore „ 6, '90	Nil	Harvesting of rice progressing fairly.
	36 Purneah „ 6, '90	Nil	Weather—Nights cool. Sun getting less warm during the day. <i>Aghani</i> rice still being harvested. Prospects of <i>rubbi</i> crops favourable. Mustard doing well.
	37 Maldah „ 6, '90	Nil	Weather—fine and cool. Strong westerly wind began to blow. Harvesting of winter rice going on. Other standing crops doing well. Price of common rice stationary.
	38 Sonthal Pergas „ 6, '90	Nil	Weather—seasonable. Harvesting of <i>aghani</i> crop still going on. Sugarcane pressing has commenced in Deoghur. Prospects of crops good.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.			
ORISSA DIVN.	39 Cuttack Dec. 6, '90	Nil	Weather—seasonable. Planting of tobacco going on. Prospects of <i>guru sarad</i> (late winter rice) good.
	40 Pooree „ 6, '90	Nil	Weather—seasonable. <i>Laghu sarad</i> (early winter rice) being harvested. Late <i>sarad</i> ripening. <i>Dalua</i> crop being sown. Miscellaneous crops doing well. Price of common rice from 21 to 27 seers per rupee.
	41 Balasore „ 6, '90	Nil	Weather—seasonable. Winter rice being harvested. <i>Rubbi</i> crops, sugarcane and mustard promising.
CHOTA NAGPORE.			
South-West Frontier Agency.			
CHOTA NAGPORE DIVN.	42 Hazaribagh Dec. 6, '90	Nil	Weather—cold and seasonable. Harvesting of winter rice continues. <i>Rubbi</i> crops doing well. Prospects of poppy continue favourable.
	43 Lohardugga „ 6, '90	Nil	Weather—seasonable. Harvesting of winter rice continues. Rain badly wanted for <i>rubbi</i> .
	44 Singbhoom „ 6, '90	Nil	Weather—warm for the season and somewhat cloudy. Harvesting of winter rice continues with excellent results. Prospects of <i>rubbi</i> also excellent.
	45 Manbhoom „ 6, '90	Nil	Weather—fairly cool. Rice crop may be said to be a bumper one. Locusts have been seen in the district for some 3 or 4 days past; it is feared that some damage has been done to the <i>rubbi</i> crops.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 9th December, 1890.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																									
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (<i>Sorghum Vulgare.</i>)													
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.								
BENGAL.																											
Western Districts.																											
1	Burdwan	12 8	14 0	14 8	...	...	...	12 12	12 12	11 10	16 11	16 2	14 10	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Bankoora	13 12	13 12	13 12	17 0	18 0	14 0	17 8	17 0	15 0	20 0	20 0	19 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Beerbhoom	16 8	17 4	15 0	...	...	...	13 8	13 8	12 0	18 0	16 8	15 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Midnapore	10 8	10 8	13 8	...	...	...	13 0	11 0	12 0	18 0	16 0	14 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Hooghly	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	13 0	13 0	12 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Howrah	...	...	...	...	...	...	10 0	10 0	9 8	14 8	14 0	13 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Central Districts.																											
	Calcutta	12 14	13 8	13	18 1	17 10	17 7	8 12	8 10	8 1	13 1	13 3	13 0	16 0	16 0	16 0	...	...	...	...	...	...	...	...	...	...	...
7	24-Pergunnahs	13 0	13 0	14 0	17 0	18 0	16 0	8 0	8 0	7 8	15 0	15 0	15 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Nuddea	15 4	15 10	14 14	16 0	17 12	...	11 13	11 6	10 10	15 9	15 4	12 6	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Khoolna	...	...	...	...	...	...	12 8	12 8	11 4	14 0	15 0	12 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Jessore	12 8	13 0	13 5	...	...	...	11 8	11 0	9 0	14 8	13 0	13 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Moorshedabad	16 0	16 0	16 0	...	...	...	10 0	10 0	10 0	16 0	16 0	12 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Dinagepore	14 11	15 10	15 12	20 0	18 0	16 0	14 4	15 0	12 0	18 0	18 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Rajshahye	15 12	16 8	1 0	24 0	24 0	20 10	12 12	12 12	9 12	16 2	15 15	12 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Rungpore	13 5	13 5	13 5	...	...	...	9 6	9 6	9 7	14 8	13 5	10 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	Bogra	15 0	15 0	13 8	...	...	...	13 8	12 0	12 0	16 8	15 1	13 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Pubna	18 0	18 12	16 8	...	...	...	7 6	7 5	7 2	15 12	15 8	14 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	Darjeeling	8 0	8 0	11 0	10 0	10 0	10 0	5 0	5 0	5 0	15 0	13 0	12 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Julpigoree	13 0	13 0	12 0	16 0	16 0	16 0	8 0	8 0	8 0	16 0	16 0	15 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eastern Districts.																											
19	Dacca	12 0	12 0	13 0	14 0	14 0	20 0	14 0	13 0	9 12	15 0	14 0	11 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	Furreedpore	16 0	18 0	13 0	25 0	25 0	...	12 0	12 0	8 0	14 0	14 0	10 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	Backergunge	...	...	...	...	...	...	12 4	12 4	10 0	13 5	13 4	15 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	Mymensingh	11 4	11 4	10 0	...	...	...	10 0	10 0	8 14	16 0	12 12	12 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...

A In subdivisions retail prices of salt per rupee are:—Calna 10 seers, Cutwa 10 seers 6 chittacks, and Kaneeungo 10½ seers.

B At Rampore Haut retail price of salt 9½ seers per rupee.

C In subdivisions retail prices of salt per rupee are:—Contai 9 seers, Tumlook 8 seers, and Ghata 11 seers.

D In subdivisions retail prices of salt per rupee are:—Serampore 10½ seers and Jehanabad 11 seers.

E In subdivisions retail prices of salt per rupee are:—Baraset 10 seers, Basirhat 10 seers, Diamond Harbour (Kulpihat) 8 seers, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.

F In subdivisions retail prices of salt per rupee are:—Kooaktea 10 seers, Meherpore 11 seers, Chooadanga 10 seers, and Ranaghat 10 seers.

G In subdivisions retail prices of salt per rupee are:—Satkhiria 10 seers and Bagirhat 8 seers.

H In subdivisions retail prices of salt per rupee are:—Jhenida 9 seers, Magura 10 seers, Narail 9½ seers, and Bongong 10 seers.

MAHUA OR RAÛ.
(*Eleusine Corocana*.)

Next preceding re- turn.
Corresponding re- turn of last year.
Present return.
Next preceding re- turn.
Corresponding re- turn of last year.

Ch./S., Ch./S., Ch./S., Ch./S., Ch./S., Ch.

[illegible]

8	10	9	12	9
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[illegible]

504a

Head-quarter Station Bazars of the Districts of Bengal on the 30th November, 1890.

												WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.	
INDIAN-CORN OR MAIZE (Zea Mays.)			ARHAR OR THUR, CAJIAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.				
Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.	Present return.	Next return.	Corresponding return of last year.		
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
...	16 0	18 0	19 0	100 0	100 0	100 0	A k 11 1-3	k 11 2-1	10 5	3 7 6	3 7 6	3 12 0	Burdwan.	
30 0	30 0	27 0	16 0	16 0	15 0	280 0	28 0	28 0	10 8	10 8	10 0	3 10 0	3 10 0	3 15 0	Bankoora.	
...	12 0	13 8	10 8	160 0	160 0	160 0	B 10 8	10 8	10 8	3 10 0	3 10 0	3 10 0	Beerbhoom.	
...	11 8	11 8	13 0	110 0	110 0	160 0	C 10 8	10 8	10 3	3 13 0	3 13 0	3 14 0	Midnapore.	
...	11 0	11 0	11 0	120 0	120 0	120 0	D 9 0	9 0	9 0	3 12 0	3 12 0	3 11 6	Hooghly.	
...	11 4	11 4	13 0	100 0	100 0	100 0	10 8	10 8	9 2	3 8 0	3 8 0	3 14 0	Howrah.	
BENGAL.																
Western Districts.																
Central Districts.																
16 14	16 0	18 9	14 9	14 2	16 12	90 0	90 0	100 0	10 12	10 10	10 0	3 6 5	3 7 6	3 11 8	Calcutta.	
...	14 8	15 0	18 0	100 0	100 0	100 0	E 10 12	10 12	10 0	3 6 6	3 6 6	3 9 9	24-Pergunnahs.	
...	16 0	16 0	13 5 1/2	...	...	...	F 9 13	9 13	1 0	3 12 0	3 12 0	3 14 0	Nuddea.	
...	16 0	160 0	160 0	G 8 0	8 0	8 8	4 0 0	4 0 0	4 4 0	Khoolna.	
...	16 0	16 0	16 0	160 0	160 0	160 0	H 9 2	9 2	9 2	4 0 0	4 0 0	4 0 0	Jessore.	
...	16 0	16 0	18 0	200 0	200 0	220 0	I 11 0	10 12	11 0	3 10 0	3 12 0	3 8 0	Moorshedabad.	
...	16 4	15 10	...	160 0	160 0	160 0	J 10 0	10 0	9 8	4 0 0	4 0 0	4 0 0	Dinapore.	
...	17 8	17 12	16 13	240 0	24 0	240 0	K 9 9	9 9	8 10	3 13 4	3 13 4	4 5 4	Rajshahye.	
...	10 10	10 10	14 8	100 0	100 0	100 0	L 9 6	9 6	8 14	4 4 0	4 4 0	4 8 0	Rungpore.	
...	90 0	90 0	90 0	9 0	9 0	9 0	4 0 0	4 0 0	4 2 8	Bogra.	
...	17 4	17 4	17 4	200 0	20 0	200 0	M 8 15	8 15	7 6	3 14 0	3 14 0	4 4 0	Pubna.	
22 0	20 0	20 0	10 0	10 0	8 0	120 0	120 0	120 0	N 8 0	8 0	6 8	5 0 0	5 0 0	5 10 0	Darjeeling.	
...	12 0	12 0	12 0	200 0	200 0	128 0	O 10 0	10 0	9 0	4 0 0	4 0 0	4 2 0	Julpigoree.	
Eastern Districts.																
...	16 0	16 0	14 0	120 0	120 0	160 0	P 9 12	9 12	9 4	4 0 0	4 0 0	4 4 0	Dacca.	
16 0	16 0	18 0	13 0	13 0	10 0	80 0	120 0	120 0	10 0	10 0	9 0	4 0 0	3 14 0	4 4 0	Furreedpore.	
...	Khesari, husked.			12 12	13 0	11 8	120 0	100 0	120 0	9 0	10 10	10 0	3 12 0	Backergunge.
...	10 0	13 0	10 0	...	...	...	R 10 0	9 8	8 8	4 0 0	4 0 0	4 8 0	Mymensingh.	

- I In subdivisions retail prices of salt per rupee are :—Lalbagh 10½ seers, Jungipore 10 seers, and Kandi 11 seers 10 chittacks.
J At Thakurgaon retail price of salt 8 seers per rupee.
K In subdivisions retail prices of salt per rupee are :—Nowgong 9 seers 9 chittacks and Nattore 9 seers.
L In subdivisions retail prices of salt per rupee are :—Nilphamari 9 seers, Gaibanda 8 seers, and Kurigram 8 seers.
M At Serajgunge retail price of salt 10 seers per rupee.
N At Siliguri wholesale price of salt Rs. 4-4 per maund.
O At Fallacutta in Alipore subdivision retail price of salt 8 seers per rupee.
P In subdivisions retail prices of salt per rupee are :—Manikgunge 9 seers, Moonsheegunge 8½ seers, and Naraingunge 10 seers.
Q In subdivisions retail prices of salt per rupee are :—Parosopore 9 seers, Patuakhali 9 seers, and Bhola 8 seers.
R In subdivisions retail prices of salt per rupee are :—Kishoregunge 8 seers, Jamalpore 10 seers, Sherpore 8 seers, and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

QUANTITIES PER RUPEE IN																	
Number.	DISTRICTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. (Sorghum Indigum)			
		Present return.	Next return.	preceding return.	Corresponding return of last year.	Present return.	Next return.	preceding return.	Corresponding return of last year.	Present return.	Next return.	preceding return.	Corresponding return of last year.	Present return.	Next return.	preceding return.	Corresponding return of last year.
Eastern Districts—continued.																	
23	Chittagong ...	11 0	12 0	10 0	...	...	...	11 0	11 0	8 0	15 14	15 14	15 0	...	...	...	...
24	Noakhali ...	...	...	...	...	...	...	15 0	14 8	11 0	17 0	16 0	13 0	...	...	...	...
25	Tipperah ...	8 0	10 0	11 7	...	...	...	11 7	11 7	8 14	16 0	16 0	13 14½	...	...	...	...
26	Chittagong Hill Tracts.	...	...	...	...	...	...	10 5	10 5	9 6	11 6½	11 6½	10 0	...	...	...	...
BEHAR.																	
27	Patna ...	17 8 1	Red. White. 15 12 15 2	17 12 17 13	19 8 19 0	22 0	11 0	11 0	10 8	18 0	17 0	17 13	...	...	...	24 0	...
28	Gya ...	15 8	15 8	17 8	20 0	19 0	19 0	10 0	10 0	10 0	18 0	17 0	18 0	...	...	...	...
29	Shahabad ...	15 8	15 8	16 0	16 0	20 0	9 0	9 0	10 0	16 8	15 0	14 0	20 0	20 0	20 0	20 0	20 0
30	Darbhanga ...	13 3	14 0	14 13	17 9	17 9	18 4	13 3	12 0	13 8	18 0	16 8	20 8	...	...	...	...
31	Meerpoore ...	17 0	16 0	18 0	18 0	17 0	18 0	10 0	8 0	10 0	17 0	14 0	18 0	...	...	...	...
32	Saran ...	14 8	14 8	15 8	16 4	16 8	21 0	8 8	8 8	8 8	14 12	14 14	14 6	...	...	...	...
33	Chumpran ...	18 0	16 0	12 0	22 0	21 0	13 0	9 0	9 0	9 0	18 0	17 0	20 0	...	...	...	...
34	Monghyr ...	16 12	15 12	20 8	17 13	17 13	21 0	12 0	11 0	12 1	14 11	14 11	18 6	...	...	...	...
35	Rhagnipore ...	16 6	16 7	18 15	20 3	18 15	18 15	12 10	10 1	12 0	15 2	12 10	15 2	...	...	...	...
36	Purneah ...	16 0	15 0	21 4	...	...	...	16 6	12 10	...	19 4	15 2	...	...	...	...	...
37	Malah ...	15 8	17 0	18 0	...	...	...	11 0	11 0	11 0	16 0	15 8	14 0	...	...	...	...
38	Southal Pergas.	14 0	14 0	15 0	...	...	...	13 0	13 0	12 0	21 0	20 0	16 0	...	...	...	...
ORISSA.																	
39	Cuttack ...	11 13	13 2	14 7	...	...	...	10 8	10 8	10 8	21 0	18 6	18 6	...	...	...	...
40	Pooree ...	14 7	14 7	13 2	...	...	...	14 7	14 7	13 6	21 0	21 0	18 4	...	...	...	...
41	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	12 0	22 0	22 0	17 0	...	...	...	...
CHOTA NAGPORE.																	
South-West Frontier Agency.																	
42	Hazaribagh ...	14 0 1	14 0 1	14 0 15 0	16 0 15 0	15 0 10 0	10 0 10 0	20 0 19 0	17 0	...	...	...	...	...	...	...	...
43	Lohardugga ...	14 0 1 13 0 1 11 8	Red. White. 11 0	No. 21 0	13 5	14 0	13 12	13 8	21 0	18 0	16 0	...	...	...	...	...	...
44	Singbhoon ...	16 0	16 0	10 0	20 0	20 0	20 0	14 0	14 0	16 0	20 0	16 0	20 0	...	...	...	...
45	Manbhoon ...	13 5	13 5	13 5	23 0	23 0	...	13 0	13 0	13 0	23 0	23 0	23 0	...	...	...	...

S At Cox's Bazar retail prices of salt 8 seers per rupee.
T At Penta the retail price of salt 8 seers per rupee.
U In subdivisions retail prices of salt per rupee are :—Buxar 10½ seers, Sasaram 10½ seers, and Bhadooh 9½ seers.
V At Sonapatna retail prices of salt 11 seers per rupee are :—Hajipore 9½ seers and Sitanadih 10 seers.
X At Bhatnah retail price of salt 10 seers per rupee.

SEERS OF 80 TOLAHS.

[illegible][illegible][illegible]

Present return.	K. NGONI or KARTU, ITALIAN MILLER. (<i>Seseria indica.</i>)
Next preceding return.	
Corresponding return of last year.	
Present return.	GRAM, CHANA, CHIGOL, KADALY or BERAGA. (<i>Cleora arvensium.</i>)
Next preceding return.	
Corresponding return of last year.	

St. Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.
...	12 8	12 8	12 0	...
...	13 0	13 0	10 0	...
...	16 0	16 0	13 5	...

17	0	16	0	19	0	19	8	19	0	23	0
15	0	15	0	15	0	18	0	19	0	19	0
...	...	...	...	...	...	19	0	20	0	22	0
...	...	...	...	...	...	18	0	19	12	22	13
...	...	...	...	...	...	20	0	16	0	20	0
14	0	14	0	14	0	17	8	17	4	20	8
...	...	...	...	...	...	19	0	19	0	22	0
15	12	14	11	...	...	21	0	21	0	24	2
...	...	...	...	...	...	20	3	20	3	19	9
...	...	...	...	...	...	18	0	18	0	20	0
...	...	...	...	...	...	20	0	20	0	16	0
...	...	...	...	...	...	17	0	16	0	16	0

***	***	***	14	7	14	7	20	5
***	***	**	15	12	14	7	17	1
..	***	***	14	0	14	0	14	0

...	...	...	17	0	17	0	15	0
...	...	...	14	8	14	0	13	8
...	...	...	16	0	16	0	10	0
...	...	...	15	0	16	0	16	12

Station Bazars of the Districts of Bengal on the 30th November, 1890—(concluded).

												WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.
INDIAN CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR. CAJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.			
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
Eastern Districts—concluded.															
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	...	...	...	...	...	110 0	110 0	100 0	10 0	10 0	9 0	3 14 0	3 14 0	4 0 0	Chittagong.
...	...	...	8 0	8 0	8 0	...	...	...	9 0	9 0	9 0	4 0 0	4 0 0	4 0 0	Noakholly.
...	...	...	10 0	11 7	8 0	...	...	...	10 0	10 0	8 14	4 0 0	4 0 0	4 8 0	Tipperah.
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.
BEHAR.															
19 8	19 0	23 0	16 8	...	22 0	120 0	130 0	130 0	9 8	9 8	9 8	3 9 6	3 10 0	3 14 0	Patna.
...	...	...	17 8	17 0	19 0	160 0	160 0	200 0	10 0	10 0	9 2	4 2 0	4 2 0	4 2 0	Gya.
...	...	...	18 0	17 0	21 0	160 0	120 0	160 0	10 0	10 0	10 0	3 15 0	3 15 0	3 15 0	Shahabad.
20 14	19 12	25 4	17 0	17 0	20 4	160 0	160 0	200 0	11 0	11 0	11 0	3 8 0	3 8 0	3 8 0	Durbhunga.
19 0	18 0	22 0	17 0	16 0	22 0	160 0	160 0	160 0	10 8	10 0	10 0	3 12 0	4 0 0	4 0 0	Mozufferpore
18 0	18 0	21 8	16 8	16 4	20 8	180 0	180 0	160 0	10 4	10 4	9 8	3 11 6	3 14 0	4 2 0	Sarun.
22 0	20 0	25 0	17 0	17 0	17 0	160 0	160 0	160 0	10 0	10 0	9 8	3 13 0	3 13 0	4 2 0	Chumparun
21 0	21 0	25 4	16 12	17 13	18 14	168 0	168 0	147 0	10 8	9 15	9 12	3 10 6	3 13 0	3 14 6	Monghyr.
21 7	21 7	24 0	17 11	17 11	17 10	151 8	151 8	164 0	10 8	10 8	10 1	3 11 0	3 11 0	4 0 0	Bhagulpore.
...	...	...	14 0	14 0	17 0	131 0	130 0	120 0	9 0	9 0	10 4	4 7 0	4 7 0	3 5 4	Purneah.
...	...	...	...	...	...	120 0	120 0	160 0	9 0	9 0	8 0	4 0 0	4 0 0	5 0 0	Maldah.
24 0	21 0	27 0	20 0	20 0	17 0	200 0	200 0	200 0	9 0	9 0	9 4	4 0 0	3 14 0	4 0 0	Sonthal Perghe.
ORISSA.															
...	...	...	18 6	18 6	18 6	80 0	80 0	80 0	11 0	11 0	11 0	3 12 0	3 12 0	3 12 0	Cuttack.
...	...	...	17 12	17 12	15 12	80 0	80 0	80 0	9 13	9 13	11 13	3 12 0	3 12 0	3 6 0	Pooree.
...	...	...	...	...	...	160 0	160 0	160 0	10 0	10 0	9 0	3 14 0	3 14 0	4 2 0	Balasore.
CHOTA NAGPORE.															
South-West Frontier Agency.															
25 0	25 0	30 0	20 0	20 0	17 0	240 0	240 0	320 0	8 0	8 0	8 0	4 2 0	4 2 0	4 8 0	Hazaribagl.
28 8	28 8	40 0	24 0	24 8	15 4	140 0	140 0	30 0	9 0	9 0	8 8	4 2 0	4 2 0	4 8 0	Lohardugga.
32 0	20 0	32 0	24 0	18 0	12 0	240 0	240 0	200 0	8 0	9 0	7 0	5 0 0	4 6 0	5 8 0	Singbhoom.
26 0	26 0	32 0	16 0	18 0	15 0	200 0	200 0	200 0	10 0	9 14	9 0	3 14 0	3 14 0	4 4 0	Manbhoom.

Y In subdivisions retail prices of salt per rupee are :—Begusarai 9½ seers and Jamui 9 seers.

Z At Kisingunge retail price of salt 8 seers per rupee.

Z1 In Khoorda subdivision retail price of salt 10 seers per rupee.

Z2 At Bhadruck retail price of salt 9 seers per rupee.

Z3 At Daltongunge retail price of salt 9 seers per rupee.

Z4 At Govinapore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and S

Number.	MATTERS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
1	Calcutta ...	R. A. P. 2 13 4	R. A. P. 2 12 10	R. A. P. 2 11 11	R. A. P. 1 15 3	R. A. P. 2 0 2	R. A. P. 2 0 10	R. A. P. 4 4 9	R. A. P. 4 5 10	R. A. P. 4 10 9	R. A. P. 2 12 10	R. A. P. 2 12 3	R. A. P. 2 13
2	Serraigunge ...	1 12 0	1 12 0	2 3 0	...	...	...	4 10 0	4 10 0	5 0 0	3 4 0	3 4 0	3 4
3	Dacca ...	3 4 0	3 4 0	3 0 0	2 12 0	2 12 0	1 15 0	2 12 0	3 0 0	4 0 0	2 10 0	2 13 0	3 9
4	Naraingunge	...	...	...	...	...	...	3 0 0	3 0 0	4 0 0	2 12 0	2 12 0	3 12
5	Chittagong	3 8 0	3 4 0	3 12 0	...	...	...	3 8 0	3 8 0	4 8 0	2 8 0	2 8 0	2 10
6	Patna ...	{ 2 4 0 2 5 0 2 8 0	{ Red. White. 2 8 0	{ 2 5 7 2 10 3 2 10 3	2 0 0	2 0 0	1 12 6	3 8 0	3 8 0	3 12 0	2 2 6	2 5 6	2 3
7	Balacore ...	2 8 0	2 8 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	1 13 0	1 13 0	2 4
8	Poorce ...	...	...	...	...	...	...	...	...	...	1 14 3	1 14 3	2 4
	Cuttack ...	3 4 0	3 0 0	2 1 0	...	...	...	3 10 0	3 10 0	3 0 0	1 11 0	2 2 0	2 3

Calcutta,
The 9th December, 1890.

PRICES PER MAUND

JOWAR OR CHOLUM. (<i>Sorghum Vulgare</i> .)			BAJRA OR CUMBU. (<i>Pennisetum typhoides</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.
2 4 0 2	3 6 2	4 0 2	2 11 0 3	5 7 2	14 8
...
...
...
...
...
...	...	1 10 0	...	...	...
...
...
...

2508a

OF 40 SEERS.

	R.A.F.	R.A.P.	R.A.P.	R.A.F.	R.A.P.	R.A.P.	R.A.F.
MARU OR RAUL. <i>(Eleusine Corocana.)</i>	Present return.						
	Next preceding return.						
	Corresponding return of last year.						
KANGNI OR KARUN, ITALIAN MILLET. <i>(Setaria italica.)</i>	Present return.						
	Next preceding return.						
	Corresponding return of last year.						

Meteorological Report of the Province

METEOROLOGICAL DIVISION.	DISTRICT.	Representative stations.	STATION OBSERVATIONS.														
			AIR PRESSURE.					TEMPERATURE.					HUMIDITY.		CLOUD.		
			Highest, 8 A.M., barometer reading of month.	Lowest, 8 A.M., barometer reading of month.	Mean, 8 A.M., for month.	Mean reduced to sea-level.	Variation from normal mean.	Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 8 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 8 A.M.	Variation from normal mean, 8 A.M.
ORISSA.	Pooree	Pooree	30.136	29.908	30.040	30.053	—	85.7	61.6	82.5	64.7	75.6	—	86	—	4.0	—
	False Point	False Point	30.149	29.897	30.043	30.065	+0.075	86.2	61.9	81.3	67.0	74.1	—1.0	82	—	2.6	—
	Cuttack	Cuttack	30.137	29.914	30.034	30.056	+0.040	84.9	56.5	81.5	64.2	72.6	—1.1	86	+5	3.4	+0.9
	Balasore	Balasore	30.100	29.860	29.989	30.074	+0.057	87.9	58.8	84.6	65.6	75.1	—0.6	75	+2	3.0	+0.1
SOUTH-WEST BENGAL.	South-West Midnapore and South 24-Pergunnahs	Saugor Island	30.137	29.922	30.036	30.063	—0.048	84.7	59.9	80.5	66.0	73.3	+0.5	89	+6	3.6	+0.4
	Midnapore	Midnapore	30.024	29.805	29.916	30.073	+0.039	86.3	56.2	83.6	62.0	72.8	+0.6	76	—	1.3	—
	24-Pergunnahs, Howrah, and Hooghly.	Calcutta	30.141	29.946	30.046	30.068	+0.048	83.5	57.3	80.3	62.7	71.5	—1.7	82	+3	1.5	—1.1
	Burdwan	Burdwan	30.083	29.886	29.980	30.085	+0.052	85.3	57.6	82.4	63.8	73.1	—0.3	77	+3	2.0	—0.3
EAST BENGAL.	Bankoora	Bankoora	29.850	29.658	29.746	30.064	+0.040	80.1	55.8	82.7	61.4	72.1	+0.6	77	—	2.2	—
	West Burdwan	Ranigunge	29.848	29.653	29.749	30.098	+0.064	83.3	55.2	81.6	61.1	71.4	—0.9	78	—	1.4	—
	Beerbhoom	Berhampore	30.106	29.900	29.999	30.068	+0.038	83.1	59.2	80.6	63.4	72.0	—0.9	86	+8	1.4	—0.6
	Moorshedabad	Krishnagore	30.119	29.915	30.014	30.064	+0.049	85.6	54.1	83.1	61.8	72.0	—0.9	79	—	2.2	—
NORTH BENGAL.	Jessore and Khoolna	Jessore	30.132	29.926	30.028	30.063	+0.051	84.7	56.6	82.6	64.3	73.5	—1.8	88	+9	2.4	—0.3
	Chittagong	Chittagong	30.051	29.866	29.959	30.032	+0.052	86.2	61.9	82.4	67.2	74.8	+0.3	91	+3	3.2	—0.1
	Chittagong Hill Tracts	Demagri	Observations not received.														
	Backergunge	Barrisal	30.116	29.937	30.031	30.043	+0.063	87.3	57.1	81.3	64.4	72.9	—1.4	84	—	1.3	—
SOUTH BENGAL.	Noakholly	Noakholly	30.118	29.899	30.013	30.058	+0.073	83.5	55.5	82.1	62.1	72.1	—	85	—	0.1	—
	Furreedpore	Furreedpore	30.123	29.940	30.028	30.069	+0.070	83.0	55.5	79.6	63.9	71.8	—0.4	85	—	1.0	—
	Dacca	Dacca	30.120	29.935	30.019	30.042	+0.041	85.1	57.3	82.8	63.8	73.3	—1.6	83	+3	2.0	—0.1
	Tipperah	Comillah	30.102	29.935	30.011	30.048	+0.056	84.4	53.0	82.6	61.2	71.9	—1.7	85	—	1.3	—
NORTH BENGAL.	Mymensingh	Mymensingh	30.087	29.925	29.997	30.057	+0.057	83.7	54.6	80.6	61.6	71.1	—2.1	88	—	2.2	—
	Bogra	Bogra	30.066	29.899	29.976	30.041	+0.065	83.3	53.4	80.3	61.4	70.9	—1.3	85	—	0.5	—
	Pubna	Serajgunge	30.095	29.930	30.008	30.056	+0.045	84.0	54.7	80.8	61.1	71.0	—0.8	88	—	1.1	—
	Rajshahye	Rampore Beau-leah.	30.086	29.940	29.988	30.061	+0.051	82.6	57.4	80.2	63.3	71.8	+1.7	83	—	0.7	—
NORTH BENGAL.	Maldah	Maldah	30.112	29.901	29.992	30.077	?	83.7	56.3	81.5	61.7	71.6	?	81	—	0	—
	Dinapore	Dinapore	30.097	29.843	29.940	30.066	+0.074	85.6	54.2	81.4	60.6	71.0	+1.1	87	—	0.3	—
	Rungpore	Rungpore	30.053	29.864	29.929	30.052	+0.030	84.2	55.4	81.1	63.5	70.9	+0.3	89	—	0.1	—
	Julpigoree and Cooch Behar.	Julpigoree	29.855	29.693	29.777	30.078	+0.048	84.4	54.3	80.7	59.1	69.9	—0.5	86	—	0	—
NORTH BENGAL.	Darjeeling Hill Tracts	Darjeeling	23.126	23.011	23.062	—	+0.066	59.0	37.9	54.9	41.9	48.0	+0.1	74	+5	2.6	—0.5
	Purneah and North Bhagulpore.	Purneah	30.047	29.863	29.945	30.078	+0.045	83.2	53.0	79.9	58.7	69.3	—1.1	89	+9	0.5	—0.4
	Mozufferpore	Mozufferpore	29.965	29.795	29.875	30.061	—	81.9	53.3	79.9	61.8	70.7	—	93	—	0.2	—
	Durbhunga	Durbhunga	30.015	29.828	29.973	30.089	+0.040	82.9	55.0	80.7	59.3	70.0	—1.4	80	—1	0.4	—0.4
SOUTH BENGAL.	Chumparun	Motihari	29.960	29.766	29.858	30.067	+0.070	83.2	50.9	80.3	55.4	68.0	—0.3	82	—	0.6	—
	Sarun	Chupra	29.993	29.784	29.878	30.081	+0.053	82.3	57.4	80.4	62.1	71.3	+1.3	87	—	0.2	—
	Shahabad	Dehree	29.839	29.624	29.721	30.095	+0.038	84.3	51.5	81.9	56.3	69.1	—0.3	73	—	1.3	—
	Gya	Buxar	29.785	29.573	29.677	30.078	—	85.4	52.4	80.9	57.9	69.4	—1.0	71	—	1.8	—
NORTH BENGAL.	Patna	Arrah	29.785	29.573	29.677	30.078	—	84.2	51.1	81.6	56.7	69.2	—0.3	75	—	1.5	—
	Gya	Gya	29.800	29.619	29.704	30.133	+0.046	84.4	52.2	82.1	58.3	70.2	—0.5	72	+9	1.3	—0.6
	South Bhagulpore and Monghyr.	Bankipore	30.013	29.803	29.902	30.095	+0.035	83.3	52.8	80.3	59.2	69.8	—0.8	68	—1	1.0	—0.5
	South Bhagulpore and Monghyr.	Bhagulpore	30.015	29.809	29.902	30.071	+0.039	82.3	53.5	80.3	59.2	69.8	+0.2	79	—	0.9	—
CHUTTA NAGPUR.	Sonthal Pergunnahs	Naya Doonka	29.666	29.468	29.560	30.083	+0.019	82.6	52.8	80.5	59.2	69.9	—0.1	76	—	0.3	—
	Hazaribagh	Hazaribagh	28.131	27.935	28.020	30.103	+0.030	79.2	52.0	77.2	56.8	67.0	+0.1	69	+10	2.4	0
	Lehardugga	Ranchee	28.003	27.809	27.894	30.088	+0.035	80.3	49.5	74.5	55.3	66.4	+0.5	68	—	0.7	—
	Singbhoom	Chyebassa	29.419	29.201	29.293	30.086	+0.061	86.9	51.5	84.0	60.2	72.1	+1.2	74	—	2.0	—
ASSAM.	Sibsagar	Sibsagar	29.895	29.683	29.783	30.135	+0.061	81.3	50.2	77.4	58.3	67.9	—1.2	98	+3	4.9	+0.4
	Dhubri	Dhubri	30.047	29.866	29.952	30.076	+0.035	83.7	56.0	78.6	62.3	70.5	—0.3	90	+4	0.5	—0.6
	Silchar	Silchar	30.058	29.880	29.969	30.071	+0.081	86.7	51.4	84.7	59.8	72.4	—1.8	89	+2	4.6	+0.8
	Assam	Assam	30.058	29.880	29.969	30.071	+0.081	86.7	51.4	84.7	59.8	72.4	—1.8	89	+2	4.6	+0.8

* Mean of 25 days. † Mean of 25 days.
 ‡ " 29 " § " 26 "
 § " 33 " ¶ " 22 "

Bengal for the month of November 1890.

DISTRICT OBSERVATIONS.										Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.												
Of month.					Since 15th May 1890.							
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.			
1'82	2'34	-0'52	3'8	3'2	65'77	54'67	+11'10	93'8	80'9	Pooree Gopalpore False Point	Pooree	ORISSA.
1'97	1'15	+0'82	2'2	2'1	63'64	50'95	+12'69	83'2	78'1	Cuttack	Cuttack	
0'87	0'89	-0'02	1'7	1'6	61'26	52'63	+8'63	79'1	74'6	Balasore	Balasore	
0'64	0'61	+0'03	2'0	1'4	66'29	61'61	+4'68	80'0	83'8	Saugor Island	South-West Midnapore and South 24-Pargunnahs.	SOUTH-WEST BENGAL.
Nil	0'22	-0'22	0'0	0'8	50'01	50'83	-0'83	80'9	70'8	Midnapore	Midnapore	
0'07	0'31	-0'24	0'3	1'1	55'16	50'87	+4'29	83'0	88'2	Calcutta	24-Pargunnahs, Howrah, and Hooghly.	
0'25	0'31	-0'06	0'7	0'7	61'41	46'13	+15'28	82'0	74'3	Burdwan	Burdwan	
0'01	0'47	-0'46	0'2	1'2	52'62	51'94	+0'68	77'3	79'4	Bankoora	Bankoora	
0'35	0'14	+0'21	1'3	0'6	63'93	51'59	+12'34	88'1	81'6	Ranigunge	West Burdwan and Beerbhoom.	
0'33	0'24	+0'09	0'7	0'5	60'55	49'90	+10'65	82'1	77'3	Berhampore	Moorsheadabad	
0'04	0'32	-0'28	0'2	0'7	55'63	48'62	+6'41	83'4	76'7	Krishnagore	Nuddea	
0'06	0'37	-0'31	0'1	1'0	53'53	52'59	+0'94	88'8	83'0	Jessore	Jessore and Khoolna	
1'37	2'14	-0'77	3'0	2'5	119'06	112'54	+6'52	103'5	105'7	Chittagong	Chittagong	
0'42	2'02	-1'60	1'0	2'9	73'32	79'79	-6'47	96'5	110'1	Demagri	Chittagong Hill Tracts	
Nil	1'42	-1'42	0'0	1'8	68'16	75'77	-7'61	100'4	103'6	Barrisal	Backergunge	
Nil	2'52	-2'52	0'0	2'2	97'88	105'68	-7'80	107'0	105'5	Noakhilly	Noakhilly	EAST BENGAL.
Nil	0'39	-0'39	0'0	1'0	45'42	54'73	-9'31	78'9	84'9	Furreedpore	Furreedpore	
Nil	0'77	-0'77	0'0	1'4	58'19	59'84	-1'65	95'8	89'0	Dacca	Dacca	
Nil	0'73	-0'73	0'0	1'5	60'11	67'68	-7'57	91'2	94'1	Comitlah	Tipperah	
0'17	0'21	-0'14	0'4	0'9	75'85	68'41	+7'44	92'6	88'3	Mymensingh	Mymensingh	
0'41	0'35	+0'06	1'0	0'7	78'99	53'91	+25'08	92'9	76'2	Bogra	Bogra	
0'57	0'27	+0'30	1'0	0'8	54'95	52'82	+2'13	99'0	79'1	Serajunge	Pubna	
0'93	0'19	+0'74	1'0	0'5	75'86	52'81	+23'05	92'9	74'4	Rampore Beau-leah.	Rajshahye	
0'02	0'19	-0'17	0'5	0'5	62'14	53'59	+8'55	88'5	81'7	Maldah	Maldah	NORTH BENGAL.
Nil	0'12	-0'12	0'0	0'4	81'74	56'27	+25'47	75'8	76'8	Dinapore	Dinapore	
Nil	0'10	-0'10	0'0	0'3	106'61	73'19	+33'42	100'6	75'0	Runkpore	Runkpore	
Nil	0'08	-0'08	0'0	0'3	134'51	109'61	+44'90	112'6	98'4	Julpigoree	Julpigoree and Cooch Behar.	
0'07	0'30	-0'23	1'0	1'1	165'65	118'87	+45'78	131'1	110'5	Darjeeling	Darjeeling Hill Tracts.	
Nil	0'06	-0'06	0'0	0'2	89'67	58'05	+22'62	77'0	68'5	Purneah	Purneah and North Bhagulpore.	NORTH BENGAL.
Nil	0'08	-0'08	0'0	0'3	52'57	42'75	+9'82	74'0	55'7	Mozufferpore	Mozufferpore	
Nil	0'06	-0'06	0'0	0'3	57'63	43'96	+13'67	72'2	56'0	Durbhunga	Durbhunga	
Nil	0'02	-0'02	0'0	0'2	68'47	45'91	+22'56	67'5	52'1	Motihari	Chumparan	
Nil	0'18	-0'18	0'0	0'4	53'60	41'85	+11'75	63'7	55'1	Chupra	Saran	
Nil	0'25	-0'25	0'0	0'5	48'59	39'31	+10'28	72'4	59'0	Dehree Buxar Arrah	Shahabad	
Nil	0'24	-0'24	0'0	0'5	56'93	40'81	+16'12	70'5	55'4	Gya	Gya	SOUTH BENGAL.
Nil	0'19	-0'19	0'0	0'4	48'10	40'69	+7'40	68'0	60'0	Bankipore	Patna	
Nil	0'18	-0'18	0'0	0'4	52'25	42'52	+9'73	74'8	64'2	Bhagulpore	South Bhagulpore and Monghyr.	
0'38	0'16	+0'22	0'3	0'6	63'65	50'26	+13'39	85'3	74'4	Naya Doomka	Sonthal Pargunnahs	
0'01	0'35	-0'34	0'4	1'1	49'45	49'19	+0'26	78'6	79'0	Hazaribagh	Hazaribagh	
Nil	0'45	-0'45	0'0	1'0	47'01	47'40	-0'39	77'3	81'5	Ranchee	Lohardugga	CHUTTA NAGPUR.
0'10	0'18	-0'08	0'5	0'9	41'63	46'22	-4'59	85'5	81'6		Manbhoom	
Nil	0'24	-0'24	0'0	1'5	33'94	50'48	-16'54	83'0	89'2	Chyebassa	Singbhoom	
										Sibsagar Dhubri Silchar	Assam	ASSAM.

Table of Rainfall recorded at Station

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA	Pooree	Pooree	1.17	0.18	0.01	0.41	0.43	0.08														
		Khurda	0.30	0.60	0.06								0.17									
		Bannur	0.40	1.78		0.36	1.06							0.20								
		False Point	1.49	1.35	0.08																	
		Gop	2.25	0.40		0.47	1.65	0.02	0.15													
		Satpara	0.18		0.11																	
	Cuttack	Jacatsingapore	1.60																			
		Banki	3.01	2.07									0.17									
		Cuttack	1.06	0.73								0.15										
		Kendrapata	0.32	0.27																		
		Jaipore		0.34									0.23									
		Dharmasalla	0.10																			
	Balasore	Salipore	0.79																			
		Chandbali	0.03	0.10	0.03								0.25									
		Bhuddruck		0.68																		
		Sorah	0.10																			
		Balasore	2.05	0.20																		
		Jelassore	1.21																			
	Midnapore	Baripodah	0.61																			
		Contai	0.30	0.15																		
		Saugor Island	0.20	1.22	0.02																	
		Tumlook																				
		Midnapore																				
		Ghatal																				
SOUTH-WEST BENGAL.	14-Pergunnahs	Kukrahaty																				
		Garbata																				
		Diamond Har-	0.04																			
		bour.																				
		Canning Town																				
		Alipore Jail		0.05																		
	Howrah	Barrackpore																				
		Dum-Dum	0.50																			
		Baraset																				
Hooghly	Buseerhat																					
	Howrah																					
	Mohesreka																					
Hooghly	(Oolooberiah).																					
	Serampore	0.03																				
	Hooghly																					
Burdwan	Jehanabad																					
	Culina	0.20																				
	Burdwan	0.56																				
Bankura	Cutwa																					
	Rane-gunge	0.10																				
	Mankur	0.41																				
Bankura	Bankura																					
	Bishenpore																					
	Maliara	0.05																				
	Khatra																					
	Indas																					
	Kotalpore																					
	Anda																					
	Gangajalghati																					
	Raipore																					
	Sonamukhi																					
Heerbhoom	Bh. Soory	0.23	0.10																			
	Hetampore	0.76																				
	Rampore Haut		0.20																			
	Belpur		1.19																			
	Murari																					
Nuddea	Ranaghat																					
	Kishnaghar	0.20																				
	Choodanga																					
	Meherpore																					
Khowlna	Kooshtea																					
	Satkhira	0.48																				
	Bagirhat																					
	Khowlna																					
	Nakipur	0.99																				
Jessore	Rampal																					
	Narail																					
	Jessore																					
	Jhenidah																					
Moorshedabad	Magoorah																					
	Bongoug																					
	Kandi	0.80																				
	Berhampore	0.05																				
	Lalbagh																					
	Azimungu																					
Jungipore	Jungipore	0.50																				
	Lalgola																					
	Jingunge		0.65																			
	Akhripanj																					
	Patkabari																					
CHITTAGONG	Chittagong	Cox's Bazar																				
		Chittagong	0.64	0.20	0.53																	
		Kutubdia		0.02	1.30	0.05																
		Satkanya		1.20	0.45	0.60																
Chittagong Hill Tracts.	Rangamati	0.03																				
	Ruma		0.80																			

Bengal in November 1890.

22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1890 up to 30th November 1890.	Average rainfall from 1st January up to 30th November.	Station.	District.	Meteorological division.
...	6	3.2	2.28	2.10	1.17	71.37	53.05	Pooree Khurdah. Banpur. False Point, Gop. Salpara. Pipili.	Pooree	ORISSA.
...	3	3.1	0.23	1.81	0.17	70.12	58.79	Jagatsingapore. Ranki. Cuttack. Kendrapara. Jajpore. Dharmasala. Salpara.	Cuttack.	
...	3	3.1	1.10	2.33	0.20	69.06	54.24	Chandbali. Bhuddruck. Sorah. Balasore. Jellsore. Baripodah.	Balasore.	
...	4	3.4	3.69	2.28	1.78	66.86	58.80	Contal. Saugor Island. Tumlook. Midnapore. Ghatal. Kukurahaty. Garbeta.	Midnapore	SOUTH-WEST BENGAL.
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Diamond Harbour. Canning Town. Alipore Jail. Barrackpore. Dum-Dum. Barasat. Buseerhat.	24-Pergunnahs	
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Howrah. Mohesreka (Ooloberiah).	Howrah.	
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Serampore. Hooghly. Jehanabad.	Hooghly.	
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Guina. Burdwan. Cutwa. Raneekunge. Mankur.	Burdwan.	
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Bankoora. Bishenpore. Malhara. Khutra. Indas. Kotulpore. Anda. Gangajalghati. Raipore. Sonamukhi.	Bankoora.	
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Bh. Soory. Hetaupore. Rampore Haut. Bolpur. Murarai.	Beerbhoom.	
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Ransahat. Kishinagar. Choodanga. Meherpore. Kooshtea.	Nuddea.	
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Satkhiria. Bagirhat. Khooina. Nakipur. Rampal.	Khooina.	
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Narail. Jessore. Jhenidah. Magoorah. Bongong.	Jessore.	
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Kandi. Berhampore. Lalbaga. Azimgunge. Jaugipore. Laigola. Jaugunge. Achirgunj. Patkabari.	Moorsbedabad.	
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Cox's Bazar. Chittagong. Kutubdia. Satkanya.	Chittagong	EAST BENGAL.
...	3	3.4	2.92	1.40	1.40	66.86	58.80	Rangamati. Ruma.	Chittagong Hill Tracts.	

Table of Rainfall recorded at Stat

[illegible]

Bengal in November 1890—continued.

	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1890 up to 30th Nov. 1890.	Average rainfall from 1st January up to 30th November.	District.	Station.	Meteorological division.
EAST BENGAL—continued.	NH	NH	NH	NH	NH	NH	NH	NH	NH	14	1.4	1.76	NH	63.61	96.76	Patuakhali.	Patuakhali.	North Bengal.	
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.7	NH	1.13	NH	63.77	78.39	Patuakhali.	Patuakhali.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	2.1	NH	1.11	NH	73.54	78.03	Bhola.	Bhola.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	2.1	NH	1.30	NH	73.55	91.43	Gourmahal.	Gourmahal.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	62.06	?	Basphal.	Basphal.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	2.2	NH	1.75	NH	105.02	112.01	Noakhali.	Noakhali.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	2.2	NH	2.93	NH	114.61	120.83	Fenny.	Fenny.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	178.35	?	Harishchpur.	Harishchpur.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	74.25	?	Kampani.	Kampani.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.9	NH	0.51	NH	51.83	67.66	Madaripore.	Madaripore.		
Dacca.	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.2	NH	0.85	NH	67.17	85.00	Munshiganj.	Munshiganj.	Dacca.	
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.2	NH	0.67	NH	71.21	72.84	Dacca.	Dacca.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	2.0	NH	1.12	NH	70.90	74.73	Narsingganj.	Narsingganj.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.1	NH	0.30	NH	69.79	61.70	Manikganj.	Manikganj.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	79.35	?	Joydipore.	Joydipore.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.5	NH	0.92	NH	?	78.22	?	Asarola.	Asarola.	
	NH	NH	NH	NH	NH	NH	NH	NH	NH	2.0	NH	1.26	NH	74.90	92.40	Comilla.	Comilla.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.3	NH	0.81	NH	67.35	88.14	Chandpur.	Chandpur.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.1	NH	0.25	NH	69.02	79.34	Brahmanbaria.	Brahmanbaria.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	85.97	?	Ramchandrapore.	Ramchandrapore.		
Mymensingh.	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	64.41	?	Narainagar.	Narainagar.	Mymensingh.	
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	35.86	?	Dasakandi.	Dasakandi.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	61.22	?	Kasba.	Kasba.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	80.50	?	Laksham.	Laksham.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.0	NH	0.42	NH	81.10	83.94	Kishoreganj.	Kishoreganj.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.8	NH	0.81	NH	67.79	63.92	Ash (Dargah).	Ash (Dargah).		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.3	NH	0.65	NH	91.03	92.57	Mymensingh.	Mymensingh.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.8	NH	0.22	NH	94.88	75.31	Jamunapuri.	Jamunapuri.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	108.40	95.49	Netrokona.	Netrokona.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	67.39	?	Sidpurkhali.	Sidpurkhali.		
Barisal.	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	133.25	?	Dargapore.	Dargapore.	Barisal.	
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	83.00	?	Sherepore.	Sherepore.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	81.84	?	Dewanganj.	Dewanganj.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	?	?	?	?	?	
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.7	NH	0.35	NH	60.83	61.00	Pubna.	Pubna.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.1	NH	0.37	NH	75.53	60.81	Seraganj.	Seraganj.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.8	NH	0.61	NH	81.96	63.95	Sherpore.	Sherpore.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.1	NH	0.57	NH	87.79	61.83	Nowkhila.	Nowkhila.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.8	NH	0.68	NH	85.50	78.57	Bogra.	Bogra.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	88.52	60.31	Panchibhi.	Panchibhi.		
Rajshahi.	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.4	NH	0.95	NH	75.90	53.36	Beaulah.	Beaulah.	Rajshahi.	
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.3	NH	0.25	NH	97.65	65.13	Natore.	Natore.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.3	NH	0.19	NH	70.25	58.25	Jaogon.	Jaogon.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	58.42	?	Lalpur.	Lalpur.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	20.93	?	Kanda.	Kanda.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.5	NH	0.65	NH	66.89	53.50	Maidah.	Maidah.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.4	NH	0.26	NH	62.80	58.91	Chanchal.	Chanchal.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	78.65	?	Gajol.	Gajol.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	64.63	?	Sidganj.	Sidganj.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.4	NH	0.14	NH	71.77	60.00	Mohadepore.	Mohadepore.		
Dinapore.	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.4	NH	0.16	NH	83.48	53.76	Churamou.	Churamou.	Dinapore.	
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.4	NH	0.10	NH	95.08	62.19	Kaigunge.	Kaigunge.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.4	NH	0.22	NH	94.01	74.44	Dinapore.	Dinapore.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	85.06	88.30	Raipurhat.	Raipurhat.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	116.36	?	Zakuriganj.	Zakuriganj.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.2	NH	0.13	NH	133.26	68.07	Bhawaniganj.	Bhawaniganj.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	105.44	83.94	(Gurudanda).	(Gurudanda).		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.4	NH	0.30	NH	105.44	83.94	Kungpore.	Kungpore.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.2	NH	0.22	NH	103.11	80.47	Kungpore.	Kungpore.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	116.41	80.38	Bacogon.	Bacogon.		
Bangpore.	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	?	?	?	(Niphamari).	(Niphamari).	Bangpore.
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	?	?	?	Ulipore.	Ulipore.	
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.2	NH	0.10	NH	166.80	128.20	Jalpiore.	Jalpiore.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	166.80	?	Alipore Boar.	Alipore Boar.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	166.80	?	Palacotta.	Palacotta.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	166.80	?	Debagay.	Debagay.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	121.84	?	Bhogopore.	Bhogopore.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	133.30	?	(Nagrakanta).	(Nagrakanta).		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.2	NH	0.45	NH	140.40	110.65	Dinatta.	Dinatta.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.2	NH	0.11	NH	162.85	129.46	Cooch Behar.	Cooch Behar.		
Dacca.	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.4	NH	0.05	NH	153.04	117.06	Mickiganj.	Mickiganj.	Dacca.	
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	153.42	124.21	Malabhang.	Malabhang.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.7	NH	0.30	NH	223.86	212.76	Bura.	Bura.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.6	NH	0.28	NH	186.27	119.45	Siliguri.	Siliguri.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.6	NH	0.28	NH	186.27	119.45	Darjeeling.	Darjeeling.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	1.3	NH	0.23	NH	157.90	120.40	Kalimpang.	Kalimpang.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	129.22	94.64	Kunsoong.	Kunsoong.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	200.46	?	Kunsoong.	Kunsoong.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.2	NH	0.07	NH	110.61	74.26	Kisanganj.	Kisanganj.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.1	NH	0.06	NH	68.27	68.27	Ararouh.	Ararouh.		
North Bengal.	NH	NH	NH	NH	NH	NH	NH	NH	NH	0.2	NH	0.08	NH	85.17	65.01	Purub.	Purub.	North Bengal.	
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	102.83	?	Gondogora.	Gondogora.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	102.83	?	Bakarjimpore.	Bakarjimpore.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	125.25	?	Matig.	Matig.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	125.25	?	Kaligang.	Kaligang.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	125.25	?	Kaligang.	Kaligang.		
	NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	125.25	?	Kaligang.	Kaligang.		
NH	NH	NH	NH	NH	NH	NH	NH	NH	?	NH	?	NH	125.25	?	Kaligang.	Kaligang.			

Table of Rainfall recorded at Stations

[illegible]

Rajal for the month of November 1890—concluded.

22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1890 up to 30th November 1890.	Average rainfall from 1st January up to 30th November.	Station.	District.	Meteorological division.
...	Nil	0.4	Nil	0.10	Nil	52.71	45.20	Tajpore	Durbhanga	NORTH BEHAR—concl.
...	Nil	0.2	Nil	0.06	Nil	59.85	47.76	Durbhanga.		
...	Nil	0.2	Nil	0.03	Nil	65.10	47.78	Madhubani.		
...	Nil	?	Nil	?	Nil	53.35	?	Bahera.		
...	Nil	?	Nil	?	Nil	52.17	?	Roshera.		
...	Nil	0.1	Nil	0.01	Nil	54.90	45.44	Sitamarhi	Muzaffarpore.	
...	Nil	0.4	Nil	0.08	Nil	56.89	43.01	Muzaffarpore.		
...	Nil	0.5	Nil	0.14	Nil	59.90	44.10	Hajipore.		
...	Nil	?	Nil	?	Nil	72.01	?	Para.		
...	Nil	?	Nil	?	Nil	46.40	?	Mahua.		
...	Nil	?	Nil	?	Nil	55.58	?	Siuhar.		
...	Nil	?	Nil	?	Nil	52.03	?	Pupri.		
...	Nil	0.3	Nil	0.08	Nil	73.39	48.11	Motihari	Champaran.	
...	Nil	0.1	Nil	0.01	Nil	65.82	51.04	Beitiah.		
...	Nil	?	Nil	?	Nil	?	?	Bagaha.		
...	Nil	?	Nil	?	Nil	60.05	?	Burhurwa.		
...	Nil	0.5	Nil	0.13	Nil	53.06	46.25	Gopalgunge...	Saran.	
...	Nil	0.4	Nil	0.11	Nil	60.27	45.51	Sewan.		
...	Nil	0.4	Nil	0.21	Nil	40.35	40.06	Chuprah.		
...	Nil	0.5	Nil	0.14	Nil	53.22	39.10	Buxar	Shahabad	SOUTH BEHAR.
...	Nil	0.7	Nil	0.22	Nil	43.54	41.64	Dehree.		
...	Nil	0.3	Nil	0.50	Nil	41.56	42.73	Bhuboonh.		
...	Nil	0.4	Nil	0.24	Nil	45.33	42.07	Sasseram.		
...	Nil	0.4	Nil	0.21	Nil	67.19	44.51	Arrah.		
...	Nil	?	Nil	?	Nil	36.39	?	Mohaniah.		
...	Nil	0.3	Nil	0.23	Nil	59.85	43.79	Aurangabad...	Gya.	
...	Nil	0.6	Nil	0.24	Nil	61.28	41.50	Gya.		
...	Nil	0.4	Nil	0.18	Nil	55.12	42.07	Nowadah.		
...	Nil	0.3	Nil	0.27	Nil	53.81	41.73	Jehanabad.		
...	Nil	?	Nil	?	Nil	56.34	?	Arwal.		
...	Nil	?	Nil	?	Nil	29.85	?	Daudnagar.		
...	Nil	?	Nil	?	Nil	36.81	?	Sheerghati.		
...	Nil	?	Nil	?	Nil	45.02	?	Rajauli.		
...	Nil	?	Nil	?	Nil	44.24	?	Pakri Bara-wan.		
...	Nil	0.4	Nil	0.23	Nil	52.05	41.74	Patna	Patna.	
...	Nil	0.3	Nil	0.14	Nil	53.50	42.32	Dinapore.		
...	Nil	0.4	Nil	0.26	Nil	47.26	44.15	Behar.		
...	Nil	0.4	Nil	0.25	Nil	44.68	42.15	Barrh.		
...	Nil	?	Nil	?	Nil	59.30	?	Bickram.		
...	Nil	?	Nil	?	Nil	50.67	?	Hilsa.		
...	Nil	0.3	Nil	0.31	Nil	46.02	42.37	Begoozerai	Monghyr.	
...	Nil	0.5	Nil	0.26	Nil	56.53	45.63	Monghyr.		
...	Nil	0.4	Nil	0.09	Nil	60.32	45.07	Jamul.		
...	Nil	?	Nil	?	Nil	78.89	?	Gogri.		
...	Nil	?	Nil	?	Nil	47.76	?	Sheikpura.		
...	Nil	0.4	Nil	0.22	Nil	62.97	47.61	Bhagulpore	South Bhagulpore.	
...	Nil	0.4	Nil	0.15	Nil	45.73	45.64	Banka.		
...	Nil	?	Nil	?	Nil	63.96	?	Kolgong.		
...	Nil	?	Nil	?	Nil	?	?	Bongaon.		
...	Nil	0.4	Nil	0.23	Nil	58.76	55.63	Rajmahal	Sonthal Per-gunnahs.	
...	Nil	0.3	Nil	0.10	Nil	53.08	47.76	Godda.		
...	Nil	0.4	Nil	0.17	Nil	78.27	62.23	Pakour.		
...	1	1.1	0.11	0.23	0.11	75.96	57.36	Nya Doomka.		
...	Nil	0.5	Nil	0.15	0.11	50.25	52.73	Deoghur.		
...	1	0.6	2.15	0.30	2.15	78.00	51.66	Jamtara.		
...	Nil	?	Nil	?	Nil	50.30	?	Mohagama.		
...	1	?	1.30	?	?	34.04	?	Nawihat.		
...	Nil	0.7	Nil	0.20	Nil	55.84	50.76	Pachamba	Hazaribagh	CHUTIA NAGP JR.
...	1	0.02	0.02	0.02	0.02	50.58	49.57	(Giridi).		
...	1	1.2	0.05	0.32	0.05	40.29	49.00	Hazaribagh.		
...	Nil	1.3	0.39	0.05	0.05	44.56	50.58	Semtagurah.		
...	Nil	1.2	0.46	0.43	0.43	57.60	61.74	Mahudi Hills.		
...	Nil	1.0	0.43	0.43	0.43	51.14	?	Jhoomrah Hills.		
...	Nil	?	Nil	?	Nil	49.03	?	Barhi.		
...	Nil	?	Nil	?	Nil	58.04	?	Chatra.		
...	Nil	?	Nil	?	Nil	51.49	?	Karagdeha.		
...	Nil	?	Nil	?	Nil	?	?	Kamghar.		
...	Nil	1.1	Nil	0.43	Nil	55.23	52.12	Lohardugga	Lohardugga.	
...	Nil	1.2	Nil	0.29	Nil	47.09	49.95	Ranchi.		
...	1	0.7	Nil	0.43	Nil	45.32	45.45	Palamow.		
...	Nil	?	35	?	0.35	44.25	?	Silt.		
...	Nil	?	Nil	?	Nil	?	?	Balumat.		
...	Nil	?	Nil	?	Nil	42.14	?	Hosainabad.		
...	Nil	?	Nil	?	Nil	38.96	?	Garwah.		
...	Nil	1.5	Nil	0.24	Nil	36.22	54.63	Chyebassa	Singbhoom.	
...	Nil	?	Nil	?	Nil	?	?	Chakradhar.		
...	Nil	?	Nil	?	Nil	56.50	?	Chatsila.		
...	Nil	?	Nil	?	Nil	55.99	?	Baharagura.		
...	Nil	1.2	Nil	0.18	Nil	46.67	50.37	Purulia	Manbhoom.	
...	1	0.6	0.21	0.12	0.21	39.88	47.16	Gobindapore.		
...	?	?	0.40	?	0.40	62.02	?	Raghunath-pore.		
...	Nil	?	Nil	?	Nil	45.65	?	Barrabhoom.		
...	Nil	?	Nil	?	Nil	55.79	?	Jhalda.		
...	Nil	?	Nil	?	Nil	51.92	?	Chas.		

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS
TAKEN IN ASSAM, FOR THE MONTH OF NOVEMBER 1890.**

THE normal features of the meteorology of Bengal during November are very simple. Northerly winds blow over the whole of Bengal, and these usually extend as a north-easterly wind current over the north and centre of the Bay. These northerly winds are dry, and usually give in Bengal almost cloudless skies; temperature also diminishes steadily during the month, the diminution being strongly marked in the night temperatures, and humidity is low. As a rule, little or no rain falls unless it is brought up by one or other of two kinds of disturbances, which almost reverse the normal weather conditions. The first class of disturbances consist of cyclonic storms which are formed in the middle or south of the Bay in front of the retreating south-west monsoon. When they form, as they do occasionally, they usually advance towards the Madras coast, and expend their main force over the south of the peninsula, but sometimes they advance towards the north of the Bay. In the first case, they generally modify the weather over the whole of the Bay; and if the disturbance is a large one, humid winds will again be forced over Bengal, when skies will cloud over and temperature and humidity rapidly increase, and rain may fall, particularly over the southern parts of the province. In the second case, if a large and influential storm which has formed in the Bay advances towards Bengal and should happen to strike the coast, the weather conditions in Bengal will naturally be entirely reversed. Over the area where the storm passes excessively heavy rain will fall, and if the storm be a large one, the whole of Bengal will feel its effects, and general rain may be brought up for a considerable period. The second class of disturbances consist of land-formed barometric depressions, which originate over Upper India and drift sometimes over Bengal, giving clouded skies, increased humidity and temperature, and sometimes light rain. These land-formed disturbances seldom occur in November; and if they do occur, they are generally of very little importance.

Except, therefore, for rainfall brought up by the occurrence of storms in the Bay, as a rule, the province is almost rainless in November. Its occurrence and distribution are therefore very capricious, and the normal rainfall of November in Bengal is extremely small. Orissa usually receives a fall of about an inch and-a-third, and East Bengal one of about an inch; but in the other districts the fall is only from about a tenth up to a third of an inch.

Meteorology of the month.—At the commencement of November weather conditions in the south of the Bay of Bengal were distinctly unsettled, though at no time did the disturbed conditions concentrate to form a definite storm. The disturbance was, however, sufficiently influential to affect the weather conditions over the southern half of Bengal, and cloudy weather with a decidedly moist atmosphere obtained, and occasional rain fell during the first week of November. In Orissa the fall was general, but in South-West, East and North Bengal and in Chutia Nagpur showers only were reported. Cool clear weather, on the other hand, obtained during this period over Behar and over the northern districts of Bengal. At the end of the first week, however, weather conditions began to improve with the disappearance of the unsettled weather in the Bay, and during the second week of November fine weather prevailed almost without interruption throughout the week. The general conditions during this time underwent very little change from day to day, and conditions were fairly normal, except that pressure was above the average, while temperature fell pretty steadily throughout the week. The north-east monsoon season may indeed be said to have thoroughly set in over the whole of Bengal from the end of the first week in November, and from this date up till the end of the month conditions were of the ordinary cold weather character, and the changes which have taken place from day to day have been of the usual oscillatory nature which characterizes fine settled weather. Barometric pressure has remained high, and the mean for the month is very distinctly above the normal. Temperature has generally fallen by small amounts up till the close of the month, and the mean temperature for the month has been slightly below the normal. Humidity after the first few days has been fairly low, though the mean humidity for the month has been distinctly in excess of the usual amount. The sky during this period has also been generally only lightly clouded; indeed, if anything, rather less clouded than usual, and at most stations the mean cloud proportion for the month has shown that the sky has only been clouded over to about one or two-tenths of the possible amount. During the last three weeks of November also rainfall has been entirely absent throughout the whole province, the last light showers which fell were reported from Orissa on the 10th and 11th of the month.

Pressure.—During the first week the average pressure was in excess of the normal by amounts which varied from 0.03 inch in Orissa, South-West Bengal, and Chutia Nagpur to about 0.07 inch at some of the more northern stations. In the second week pressure was again in excess by amounts varying from 0.02 inch over the greater part of the province to 0.05 inch in East Bengal. In the third week the excess pressure was rather more pronounced, and it varied from a twentieth of an inch in Behar and North Bengal to a tenth of an inch in the south of Orissa. In the last week of the month also the excess was perhaps even larger than in the third, and it varied usually from six to ten-hundredths of an inch. For the whole month, therefore, pressure has been in excess of the normal, the usual excess varying from about four to seven-hundredths of an inch; the excess being usually largest in

East Bengal, where it averaged 0.06 inch, though in Assam the excess was not quite so large as at the stations in East Bengal, for there it only has averaged 0.05 inch.

Temperature—Was very distinctly below the normal for the first three weeks of the month, though in the last week it was almost normal. For the whole month five out of the seven large meteorological divisions shew mean temperatures distinctly below the normal, the defects generally varying from about half to one degree; but, on the other hand, Chutia Nagpur and North Bengal shew mean temperatures of about a third to one degree above the normal. The mean temperature of the whole province for the month may be said to have been only 0.3° below the normal for the period. The general variation of the day and night temperatures from the normal during the month is, however, best seen in the following table, where the weekly variations of the average maximum, minimum, and mean temperatures from the normal are given at nine typical stations in different districts of the province. It will be seen that the variations both of the day and night temperatures have been considerable:—

STATIONS.	WEEK ENDING 7TH NOVEMBER 1890.			WEEK ENDING 14TH NOVEMBER 1890.			WEEK ENDING 21ST NOVEMBER 1890.			WEEK ENDING 28TH NOVEMBER 1890.		
	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.	Variation of actual mean maximum temperature of week from normal mean.	Variation of actual mean minimum temperature of week from normal mean.	Variation of actual mean daily temperature of week from normal mean.
Cuttack	-1.1	+1.5	+0.2	+0.4	+1.1	+0.8	-0.6	-2.2	-1.4	-1.3	-2.1	-1.7
Calcutta	-0.8	-1.4	-1.0	-1.6	-1.5	-1.5	-1.3	-3.3	-2.2	-1.1	-1.8	-1.4
Dacca	-1.5	-3.2	-2.5	-2.6	-2.3	-2.3	-0.2	-0.4	-0.2	-0.7	-2.2	-1.4
Burdwan	-0.3	+0.2	-0.1	-1.0	-0.3	-0.6	-0.2	-1.0	-0.6	-0.3	+0.4	+0.1
Patna	-3.2	-0.2	-1.7	-2.0	-2.4	-2.2	-1.5	-2.2	-1.8	+0.9	+2.4	+1.7
Gya	-1.5	+1.3	-0.1	-1.4	-1.6	-1.5	-0.6	-4.0	-2.3	+1.1	+1.6	+1.3
Purneah	-3.1	+0.1	-1.5	-3.2	-1.2	-2.2	-1.8	+1.1	-0.4	-1.4	-0.3	-0.8
Hazaribagh	-1.3	+0.2	-0.6	-1.3	-1.9	-1.6	+1.5	-2.6	-0.5	+1.5	+0.3	+0.9
Darjeeling	-3.2	-2.5	-2.9	-0.9	+1.6	+0.4	-0.9	+0.3	-0.3	+1.0	+1.9	+1.5

Rainfall—Was entirely confined to the first ten days of the month, and the only district receiving anything like a considerable fall was Orissa, the stations in which registered an average fall of 1.80 inches, which is slightly above the normal fall for the period. North Bengal received the next largest fall; but this district only averaged 0.22, which is again slightly in excess of the normal. In East Bengal there was an average fall of 0.17 inch only, which is about one-sixth of the usual amount, and in South-West Bengal the fall also averaged 0.17 inch, or about half the usual fall. The other districts received practically no rain at all.

The following table gives in a condensed form the rainfall information for each of the seven large meteorological districts of Bengal for the present year up to the close of November. The numbers there given, as in the case of the former months of the year, are the actual average rainfalls in each month in each district, expressed as a percentage of the normal fall for the period, and the last column also gives the total rainfall up to the end of November expressed as a percentage of the normal amount:—

METEOROLOGICAL DIVISIONS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	Actual rainfall of first eleven months of 1890 expressed as a percentage of the normal fall for the period.
Orissa	24	5	216	20	99	124	97	80	168	146	110	115
South-West Bengal	98	Nil	39	75	87	141	102	69	104	186	52	102
East Bengal	18	4	70	122	102	89	120	88	60	128	16	94
North Bengal	93	Nil	28	155	81	132	129	132	143	281	129	134
North Behar	38	2	25	40	95	140	174	134	97	101	Nil	128
South Behar	Nil	5	63	80	95	183	186	125	82	115	45	122
Chutia Nagpur	Nil	Nil	120	1	65	132	116	75	81	70	6	92

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of November 1890 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 15th May 1890.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	87.9	55.5	82.4	65.6	74.0	-0.7	1.50	1.36	+0.14	2.4	2.2	+0.2	63.27	62.80
South-West Bengal	86.3	54.1	81.9	62.9	72.4	-0.8	0.17	0.33	-0.16	0.5	0.9	-0.4	56.63	51.33
East Bengal	87.3	53.0	81.6	63.5	72.6	-1.0	0.17	1.07	-0.90	0.4	1.6	-1.2	71.42	73.06
North Bengal	85.6	54.2	80.9	61.1	71.0	+0.8	0.22	0.17	+0.05	0.4	0.5	-0.1	95.09	68.94
North Behar	83.2	50.9	80.3	59.5	69.9	-0.4	Nil	0.08	-0.08	0.0	0.3	-0.3	64.38	47.98
South Behar	84.4	51.1	81.1	58.1	69.6	-0.4	0.69	0.20	-0.11	0.1	0.5	-0.4	54.66	43.17
Chutia Nagpur	80.3*	40.5*	77.4*	56.1*	66.7*	+0.3*	0.02	0.34	-0.32	0.2	1.1	-0.9	46.00	48.28
Assam	80.7	50.2	80.2	60.1	70.2	-1.1								

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL ;

The 9th December 1890.

A. PEDLER,

Meteorological Reporter to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of November 1890.

	Inches.	Date.	Hour.
The mean pressure of the month ...	29.995		
The average pressure of November from 24 years' registers ...	29.970		
The highest pressure in the month ...	30.167	23rd	10
The lowest pressure in the month ...	29.865	2nd	16
The range of pressure ...	0.302		
Hours.			
The total number of hours of bright sunshine during the month	254.1		
The maximum possible number of hours of sunshine	330.8		
°			
The mean temperature of the month ...	71.4		
The average temperature of November from 24 years' registers	74.8		
The highest temperature in the month ...	82.7	4th and 9th.	
The lowest temperature in the month ...	57.4	16th.	
The range of temperature during the month ...	25.3		
The mean daily range of temperature ...	17.4		
The greatest range of temperature in one day ...	21.8	16th.	
Per cent.			
The mean humidity of the month ...	78		
The average humidity of November from 24 years' registers ...	72		
Inches.			
The mean vapour tension of the month ...	0.591		
The average vapour tension of November from 9 years' registers	0.616		
The mean cloud proportion of the month ...	1.78		
The average cloud proportion of November from 13 years' registers	2.64		
The total rainfall of the month ...	0.01		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	Nil		
The average fall of November from 48 years' registers ...	0.65		
The greatest fall in 24 hours ...	0.01	2nd.	
Days.			
The number of rainy days in the month ...	1		
The average number of rainy days in November from 24 years' registers ...	2		
°			
The mean maximum equilibrium temperature of solar radiation during the month ...	137.0		
The mean difference of sun and air temperatures ...	57.0		
The greatest sun temperature ...	144.0	1st.	
The greatest excess of sun over air temperature ...	62.6	7th.	
The mean temperature of the nocturnal radiation thermometer on woollen cloth ...	55.9		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ...	6.9		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ...	9.3	30th.	
Miles.			
The mean movement of the wind per day ...	28.0		
The greatest movement of the wind in one day ...	65.0	24th.	
The greatest movement of the wind in one hour ...	10.0	24th, noon to 1 P.M.	
The number of hours with winds from each of the 8 points—			
N. 143, N.E. 66, E. 34, S.E. 10, S. 3, S.W. 8, W. 30, N.W. 62, Calm 364.			

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore .003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 1.6 lower; and finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0.6 higher than the Kew standard thermometer which is the standard of reference at the present Observatory.

C. LITTLE,

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 8th December 1890.

For Meteorological Reporter to the Govt. of India.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.												
			AIR PRESSURE.			WIND.		TEMPERATURE.							
			Mean barometric height, S.A.M.	Mean reduced to sea-level.	Variation from mean.	prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.
ORISSA.	Pooree	Pooree	30°033	30°046	—	NNW & N	219	81°6	30, 3, 5 Dec.	61°6	30—2 Dec.	81°2	62°7	72°0	—
		Gopalpore	30°042	30°064	+022	NNW	261	81°2	1st "	60°9	30th Nov.	79°3	62°8	71°1	—0.4
		False Point	30°037	30°069	+032	NNW	151	79°4	5th "	56°3	1st Dec.	78°7	57°8	68°3	—1.3
	Cuttack	Cuttack	29°993	30°078	+085	Calm	27	84°3	5th "	58°8	30th Nov.	85°2	60°1	71°7	0
	Balasore	Balasore	30°023	30°085	+062	Calm	62	80°3	1, 2, 4, 5th "	53°5	1st Dec.	79°9	57°1	68°5	+1.2
SOUTH-WEST BENGAL.	South-West Midnapore	Saugor Island	30°038	30°065	+027	NNE	192	77°7	30th Nov.	59°9	30th Nov.	77°1	60°7	68°9	—0.6
	Midnapore	Midnapore	29°919	30°078	+059	N	86	82°3	4th Dec.	56°2	29—1st Dec.	80°7	56°9	68°8	+0.7
	24-Pergunnahs	Calcutta	30°050	30°073	+023	Calm	21	77°5	29, 4 "	55°8	2, 4th Dec.	77°3	56°9	67°1	—1.6
	Howrah														
	Hooghly														
	Burdwan	Burdwan	29°983	30°080	+007	N	31	80°3	30th Nov.	57°4	2nd "	79°3	58°8	69°1	—0.1
	Bankoora	Bankoora	29°746	30°066	+020	W	41	81°1	5th Dec.	55°9	29th Nov.	80°0	56°3	68°4	+0.4
	Beerbhoom	Raneegunge	29°743	30°095	+052	NNW	41	79°9	29, 30, 5th "	55°8	30th "	79°4	57°3	68°3	+0.5
	West Burdwan														
	Moorshedabad	Berhampore	29°997	30°068	+071	Northerly	31	78°1	29 & 30th Nov.	57°2	4th Dec.	77°3	58°4	68°2	—0.3
EAST BENGAL.	Nuddea	Krishnagur	30°015	30°066	+051	North-Westerly.	53	80°8	30th "	53°1	2nd "	80°0	54°6	67°3	—0.9
	Jessore	Jessore	30°035	30°070	+035	Calm	10	79°7	29, & 30th "	56°0	30th Nov.	79°1	56°7	67°9	—2.1
	Khoolna														
	Chittagong	Chittagong	29°954	30°049	+055	Northerly	38	82°2	29th "	55°9	4th Dec.	79°2	59°0	69°4	—1.7
	Chittagong Hill Tracts	Demagiri						Observations not received.							
	Backergunge	Barrisal	30°032	30°045	+013	Calm	36	78°8	29 & 30th Nov.	55°6	2nd Dec.	77°7	56°7	67°2	—2.3
	Noakholly	Noakholly	30°024	30°070	+046	Northerly	?	81°0	29 & 30th "	53°0	2nd "	78°9	54°8	63°8	—2.1
	Furteedpore	Furteedpore	30°026	30°069	+043	Calm	25	74°0	1, 2, 30th "	55°5	30th Nov.	73°7	56°6	65°2	—2.8
	Dacca	Dacca	30°023	30°047	+024	Northerly	58	81°6	29th Nov.	56°8	2nd Dec.	79°0	57°8	68°4	—2.5
	Commillah	Commillah	29°836	29°867	+031	NNE	11	81°0	30th "	53°0	30, 2, 3 "	79°4	53°9	66°6	—2.6
NORTH BENGAL.	Mymensingh	Mymensingh	30°001	30°062	+061	ENE	31	78°9	29th "	54°6	30th Nov.	76°9	55°8	66°4	—1.6
	Bogra	Bogra	29°976	30°043	+067	NE	24	78°3	29th "	53°1	1—3 Dec.	76°5	55°9	66°2	—1.5
	Pubna	Serajunge	30°009	30°058	+049	N	14	77°6	30th "	53°8	1st "	76°8	55°1	66°0	—1.3
	Rajahmhye	Rampore Beaulah.	29°986	30°059	+073	NNE	52	77°6	30th "	56°7	2nd "	76°7	57°5	67°1	+0.9
	Maldah	Maldah	29°984	30°069	+085	Northerly	75	79°0	4th Dec.	55°3	1st "	77°7	56°6	67°2	—
	Dinapore	Dinapore	29°936	30°063	+067	Northerly	?	79°1	29th Nov.	53°7	1st "	77°6	55°1	66°3	+0.3
	Rungpore	Rungpore	29°926	30°057	+031	NE	49	78°3	29th "	51°9	1st "	76°9	55°1	65°9	—0.2
	Julpigore	Julpigore	29°773	30°077	+034	?	?	78°0	29th "	54°5	29th Nov.	75°7	56°3	66°0	+0.1
	Cooch Behar														
	Darjeeling Hill Tracts	Darjeeling	29°932	—	—0.18	Variable	49	58°4	29th "	40°1	3rd Dec.	50°2	38°7	44°5	—0.5
NORTH BENGAL.	Purneah	Purneah	29°935	30°070	+035	Calm	26	78°2	29th "	53°0	30th Nov.	76°7	54°6	65°7	0
	Mozufferpore	Mozufferpore	29°873	30°064	+071	WSW	166	77°8	29th "	53°2	3rd Dec.	76°8	55°9	66°4	—
	Durbhunga	Durbhunga	29°898	30°075	+077	Calm	32	79°4	29th "	56°5	29th Nov.	77°7	57°8	67°8	+0.8
	Chumpran	Motihari	29°847	30°087	+040	Variable	76	78°7	29th "	50°9	29th "	77°2	53°6	65°4	+2.0
	Barun	Chupra	29°864	30°070	+086	Calm	20	79°3	4th Dec.	56°5	1 & 2 Dec.	77°3	58°5	67°9	+3.0
	Shahabad	Dehree	29°708	30°085	+077	SW	34	81°3	4th "	53°0	30th Nov.	79°5	56°3	67°9	+3.9
		Buxar	?	?	?	S.Wly.	50	79°9	4th "	53°9	29th "	78°6	56°6	67°6	+3.5
		Arrah	29°858	30°061	+063	WNW	5	80°1	4th "	53°7	30th "	78°4	55°4	66°9	+2.7
	Gya	Gya	29°696	30°098	+042	S	129	80°4	4th "	54°8	29 & 30 "	78°2	56°0	67°0	+2.2
	Patna	Bankipore	29°886	30°080	+094	SW	35	77°8	29, 4 "	55°4	29th "	77°1	56°9	67°0	+1.8
SOUTH BENGAL.	South Bhagulpore	Bhagulpore	29°899	30°069	+070	Calm	2	78°3	29th Nov.	53°5	30th "	77°1	55°0	66°1	+1.7
	Monghyr														
	Sonthal Pergunnah	Doomka	29°553	30°082	+029	Calm	37	78°8	30th "	53°0	30th "	77°7	54°3	66°0	+0.7
	Hazaribagh	Hazaribagh	28°003	30°096	+093	Variable	163	77°9	30th "	52°8	29th "	75°7	54°5	65°1	+2.6
	Lohardugga	Ranches	27°876	30°082	+006	Calm	65	79°0	30th "	50°6	3rd Dec.	76°6	52°2	64°4	+5.1
CHUTTA NAGPUR.	Sinabhoon	Chyabassa	29°300	30°100	+070	E	20	81°5	5th Dec.	53°0	30th Nov.	80°9	54°3	67°7	+1.7

* Mean of six days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ten years. The humidity of the atmosphere is expressed in percentage, saturated air being represented by 100. A clear sky is denoted by c and an overcast sky by 10. The number in the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the previous year. The number in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 5th of December 1890.

				DISTRICT OBSERVATIONS.														METEOROLOGICAL DIVISION.
Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	OF WEEK.	RAINFALL.						Average number of rainy days.	Normal number of rainy days.	Representative station.	DISTRICT.					
				Since 1st of November.			Since 15th May 1890.											
				Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.									
83	3.3	Nil	Nil	0.39	1.82	2.52	-0.70	65.77	54.85	+10.92	0.0	0.4	Pooree	Pooree	ORISSA.			
78	0.7	Nil											Gopalpore	False Point				
90	3.4	Nil																
75	3.6	Nil	Nil	0.19	1.97	1.28	+0.09	63.64	51.08	+12.56	0.0	0.3	Cuttack	Cuttack				
84	0	Nil	Nil	0.10	0.87	0.97	-0.10	61.26	62.71	+8.55	0.0	0.2	Balasore	Balasore				
96	5.9	Nil	Nil	0.16	0.64	0.73	-0.12	66.29	61.76	+4.53	0.0	0.2	Saugor Island	South-West Midnapore	SOUTH-WEST BENGAL.			
79	1.7	Nil	Nil	0.11	Nil	0.31	-0.31	59.00	59.92	-0.92	0.0	0.2	Midnapore	Midnapore				
90	1.7	Nil	Nil	0.13	0.07	0.44	-0.37	55.16	51.00	+4.16	0.0	0.2	Calcutta	24-Pergunnahs				
79	2.3	Nil	Nil	0.09	0.25	0.40	-0.15	61.41	46.22	+15.19	0.0	0.2	Burdwan	Howrah				
80	2.6	Nil	Nil	0.13	0.01	0.59	-0.58	52.02	52.06	-0.04	0.0	0.2	Bankoora	Hooghly				
82	2.1	Nil	Nil	0.09	0.35	0.23	+0.12	63.93	51.68	+12.25	0.0	0.2	Raneegunge	Berhampur	SOUTH-WEST BENGAL.			
80	3.0	Nil	Nil	0.07	0.33	0.33	+0.03	60.55	49.96	+10.59	0.0	0.2	Berhampur	West Burdwan				
84	3.1	Nil	Nil	0.08	0.04	0.41	-0.37	55.03	48.71	+6.32	0.0	0.2	Krishnagur	Moorshedabad				
94	2.0	Nil	Nil	0.18	0.06	0.56	-0.50	53.53	52.78	+0.75	0.0	0.3	Jessore	Nuddea				
94	3.1	Nil	Nil	0.26	1.37	2.41	-1.04	119.06	112.81	+6.25	0.0	0.4	Chittagong	Jessore	EAST BENGAL.			
			Nil	0.19	0.42	2.19	-1.77	73.32	79.96	-6.64	0.0	0.3	Demagiri	Khoolna				
91	0.4	Nil	Nil	0.26	Nil	1.68	-1.68	68.16	76.03	-7.87	0.0	0.3	Barrisal	Chittagong Hill Tracts				
91	0	Nil	Nil	0.35	Nil	2.90	-2.90	97.88	100.06	-8.18	0.0	0.4	Noakholly	Backergunge				
94	0.6	Nil	Nil	0.00	Nil	0.61	-0.61	45.42	54.93	-9.53	0.0	0.2	Furzedpore	Noakholly	EAST BENGAL.			
89	3.6	Nil	Nil	0.13	Nil	0.89	-0.89	58.19	59.96	-1.77	0.0	0.2	Dacca	Furzedpore				
88	1.4	Nil	Nil	0.20	Nil	0.92	-0.92	60.11	67.87	-7.76	0.0	0.2	Commillah	Dacca				
90	2.7	Nil	Nil	0.06	0.17	0.30	-0.19	75.85	68.46	+7.39	0.0	0.1	Mymensingh	Tipperah				
82	0	Nil	Nil	0.08	0.41	0.42	-0.01	78.99	56.98	+22.01	0.0	0.1	Bogra	Mymensingh	NORTH BENGAL.			
93	2.6	Nil	Nil	0.05	0.67	0.33	+0.24	54.95	52.86	+2.09	0.0	0.1	Serajgunge	Bogra				
90	1.7	Nil	Nil	0.09	0.93	0.28	+0.65	75.86	52.90	+22.96	0.0	0.2	Rampore Beaulah	Pubna				
90	0.6	Nil	Nil	0.06	0.02	0.25	-0.23	62.14	53.05	+8.49	0.0	0.1	Maldah	Rajshahye				
89	0.3	Nil	Nil	0.09	Nil	0.19	-0.19	81.74	59.34	+25.40	0.0	0.2	Dinagore	Maldah	NORTH BENGAL.			
95	1.1	Nil	Nil	0.02	Nil	0.11	-0.11	106.61	73.20	+33.41	0.0	0.1	Rungpore	Dinagore				
90	0.4	Nil	Nil	0.01	Nil	0.07	-0.07	154.51	102.00	+44.01	0.0	0.1	Julpigoree	Rungpore				
77	4.3	Nil	0.04	0.01	0.11	0.32	-0.21	165.09	119.89	+45.80	0.5	0.1	Darjeeling	Julpigoree				
93	0.7	Nil	Nil	Nil	Nil	0.06	-0.06	80.67	58.05	+22.62	0.0	0.0	Purneah	Qooch Behar	NORTH BENGAL.			
93	1.1	Nil	Nil	Nil	Nil	0.09	-0.09	52.67	42.76	+9.81	0.0	0.0	Mozufferpore	North Bhagulpore				
88	0.6	Nil	Nil	Nil	Nil	0.06	-0.06	57.63	43.96	+13.67	0.0	0.0	Darbhunga	Mozufferpore				
88	3.4	Nil	Nil	Nil	Nil	0.01	-0.01	68.47	48.90	+22.57	0.0	0.0	Motihari	Darbhunga				
90	1.0	Nil	Nil	Nil	Nil	0.19	-0.19	63.60	41.86	+11.74	0.0	0.0	Chupra	Chumparan	NORTH BENGAL.			
79	2.0	Nil																
78	2.6	Nil	Nil	Nil	Nil	0.26	-0.26	49.59	39.32	+10.27	0.0	0.0	Buxar	Sarun				
80	1.1	Nil																
90	1.4	Nil	Nil	Nil	Nil	0.24	-0.24	56.93	40.81	+16.12	0.0	0.0	Gya	Shahabad	NORTH BENGAL.			
78	1.7	Nil	Nil	Nil	Nil	0.20	-0.20	48.10	40.61	+7.49	0.0	0.0	Bankipore	Buxar				
86	1.1	Nil	Nil	0.01	Nil	0.21	-0.21	52.25	42.55	+9.70	0.0	0.1	Bhagulpore	Patna				
84	0.7	Nil	Nil	0.06	0.28	0.22	+0.16	63.65	50.32	+13.33	0.0	0.1	Deomka	South Bhagulpore				
74	1.4	Nil	Nil	0.02	0.01	0.38	-0.37	49.45	49.22	+0.23	0.0	0.1	Hazaribagh	Monghyr	NORTH BENGAL.			
70	2.0	Nil	Nil	0.03	Nil	0.47	-0.47	47.01	47.42	-0.41	0.0	0.1	Ranchi	South Bhagulpore				
			Nil	0.07	0.19	0.24	-0.14	41.53	46.25	-4.72	0.0	0.1		Lohardugga				
72	1.7		Nil	0.09	Nil	0.32	-0.32	33.94	50.56	-16.62	0.0	0.2	Chybassa	Manbhoom				
														Singbhoon				

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater. denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means ten years. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 5th of December 1890.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of November.	Average total rain-fall from 1st of November.	Total rain-fall since 15th May 1890.	Average rain-fall from 15th May to date.
			Saturday, 29th November.	Sunday, 30th November.	Monday, 1st December.	Tuesday, 2nd December.	Wednesday, 3rd December.	Thursday, 4th December.	Friday, 5th December.	Number of rainy days.	of Rainfall week.				
ORTHA	Pooree	Pooree	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.28	2.49	69.97	50.3
		Khurdah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.23	1.70	65.16	55.80
		Banpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.10	3.20	61.85	40.30
		False Point	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	3.69	2.63	66.10	63.62
		Gop	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.92	?	65.95	?
		Satpara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	4.94	?	45.07	?
		Pipili	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.29	?	75.80	?
	Outack	Jagatsingpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.60	1.26	63.67	40.30
		Banki	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	5.25	2.16	60.09	48.04
		Cuttack	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.94	1.17	83.14	53.72
		Kendrapara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.59	1.07	63.15	62.37
		Jajpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.46	0.76	63.15	62.19
		Dhamsala	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.10	?	53.18	?
	Balasore	Salipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.70	?	62.15	?
		Chandbali	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.41	1.61	52.06	43.50
		Bhuddruck	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.68	1.02	57.85	51.02
		Sorah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.10	0.72	60.84	50.05
		Balasore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.25	1.04	61.13	57.18
		Jellapodah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.21	0.40	65.83	61.07
SOUTH-WEST BENGAL.	Midnapore	Baripodah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.61	0.98	62.91	53.43
		Contai	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.45	0.82	67.73	60.73
		Saugor Island	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.44	1.00	60.05	60.63
		Tumlook	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.43	0.43	57.39	50.79
		Midnapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.28	47.47	48.00
		Ghatal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.25	44.61	53.81	?
	24-Pargunnas	Kurahaty	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50.29	?
		Garbetta	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	46.23	?
		Diamond Har- bour	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.04	0.48	62.13	57.62
		Canning Town	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	66.69	?
		Alipore Jail	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.05	0.36	61.96	54.64
		Barrackpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.60	50.91	45.60
	Howrah	Dum-Dum	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.59	0.35	56.44	50.94
		Baraset	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.44	54.84	40.16
		Buseerhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.53	58.67	54.28
		Howrah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.44	51.34	50.24
		Mohesreka (Oolobertah)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.62	0.62	59.67	51.38
		Hooghly	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.63	0.33	54.30	49.54
	Burdwan	Serampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.40	52.05	47.57
		Hooghly	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.31	0.31	51.67	54.02
		Jehanabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Culina	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	0.55	54.31	43.81
		Burdwan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.56	0.36	65.63	47.55
		Cutwa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.29	64.36	47.20
	Bankoora	Kaneengunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.10	0.23	60.54	49.70
		Mankur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.41	?	48.21	?
		Bankoora	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.33	57.76	50.90
		Bishenpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.48	50.95	51.81
		Malara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.03	0.45	59.28	48.20
		Khatra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.13	1.13	40.06	50.58
	Heerbhoom	Indas	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	59.97	?
		Kotalpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	66.94	?
		Anda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	55.11	?
		Gangajalghati	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	63.75	?
		Raipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	53.29	?
		Sonamukhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	52.74	?
	Nuddea	Bh. Soory	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.33	0.16	62.28	53.1
		Hetampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.76	0.19	60.31	53.71
		Rampore Haut	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	0.39	72.56	50.88
		Bolpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.19	?	57.42	?
		Murarat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	56.46	?
		Ranaghat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.53	55.46	46.46
	Khoolna	Kishnaghat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	0.35	61.66	45.36
		Choomdanga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.55	47.08	50.64
		Meherpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.22	0.35	58.88	47.08
		Kooshtea	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.35	0.35	52.09	53.93
		Satkira	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.48	0.70	57.61	55.44
		Bagirhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.80	62.51	60.79
	Jessore	Khoolna	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.68	0.68	52.88	54.15
		Nakipur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.99	?	76.02	?
		Rampal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	65.78	?
		Narail	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.59	51.45	45.39
		Jessore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.47	59.49	53.65
		Jhenidah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.42	0.42	54.16	52.94
	Moorshedabad	Magorah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.33	0.33	43.44	48.70
		Bongong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.53	0.53	46.66	51.14
		Kandi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.80	0.43	64.80	49.58
		Berhampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.05	0.31	59.27	50.06
		Lalbagh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.31	0.31	63.67	49.43
		Azingunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.28	0.28	58.27	50.57
	Chittagong	Jungipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.50	0.17	51.85	48.55
		Lalgola	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.66	0.28	65.35	50.14
		Jagunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Akrigunj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	61.09	?
		Pathabari	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Chittagong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.37	2.89	120.42	132.81
EAST BENGAL	Chittagong	Chittagong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.37	1.91	16.80	92.64
		Kutubdia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.25	?	113.85	?
		Satkanya	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.15	?	81.41	?
	Chittagong Hill Tracts.	Rangmati	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.03	2.19	68.09	89.74
		Ruma	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.80	2.16	77.71	77.15
		Backergunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.00	79.01	86.69
	Backergunge	Persepore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.33	1.33	62.91	60.19
		Burrisal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.22	1.22	65.76	64.92
		Bhola	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.87	1.87	64.99	81.53

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 5th of December 1890—contd.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL		Total rainfall since 1st of November.	Average total rainfall from 1st of November.	Total rainfall since 15th May 1890.	Average rainfall from 15th May to date.
			Saturday 30th November.	Sunday 1st November.	Monday 1st December.	Tuesday 2nd December.	Wednesday 3rd December.	Thursday 4th December.	Friday 5th December.	Number of rainy days.	Rainfall of week.				
EAST BENGAL	Gournadi	Gournadi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	42'66	?
		Baughal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	73'26	?
	Noakholly	Noakholly	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2'12	92'34	106'85
		Fenny	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	3'67	103'40	105'14
		Harishpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'90	?	139'51	?
		Ramganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	65'28	?
	Furreedpore	Madaripore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'61	41'91	55'21
		Furreedpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'47	49'43	57'34
		Goulundo	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'41	44'90	52'47
	Dacca	Munshigunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1'05	57'78	69'45
		Dacca	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'59	54'58	58'07
		Narainkunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1'48	60'71	61'44
		Manickkunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'46	59'71	49'45
	Hill Tipperah	Joydebpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	66'26	?
		Agartola	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1'00	67'24	69'79
		Comilla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1'20	67'24	75'18
		Chandpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'79	56'78	74'31
		Brahmunberia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'70	54'64	61'08
		Ramchandrapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	76'11	?
		Nasirnagar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	34'81	?
		Daudkandi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	30'44	?
	Mymensingh	Kasba	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	51'71	?
		Laksham	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	68'55	?
		Kishorekunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'46	68'37	69'22
		Atia (Tangail)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'81	56'02	54'92
NORTH BENGAL	Pubna	Mymensingh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'05	78'03	73'43
		Jamulpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'34	79'16	64'59
		Netrokona	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'43	90'54	80'43
		Subornakhally	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'42	58'25	?
	Bogra	Durgapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	118'07	?
		Sherepore Town	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	67'41	?
		Dewanganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	72'90	?
		Pubna	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'23	46'08	53'43
	Rajshabye	Serajunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'42	63'81	52'23
		Sherepore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'59	77'86	57'86
		Nowkhilla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'37	69'79	53'82
		Bogra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'33	79'92	60'49
	Maldah	Panchbibi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'13	91'46	55'39
		Beaulah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'95	73'29	52'46
		Natore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1'55	88'84	54'27
		Naogaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'30	66'15	52'13
	Dinapore	Lalpor	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	52'38	?
		Manda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	48'04	?
		Maldah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'03	64'65	51'10
		Chanchal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'21	59'62	56'13
	Rungpore	Gajni	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	84'40	?
		Sibganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'12	62'66	?
		Mohadebpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'19	67'94	66'05
		Churamon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'13	80'28	52'14
	Julpigoree	Rajgunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'15	92'75	57'63
		Dinapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'12	86'80	63'56
		Raiborchhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'34	81'01	52'24
		Thakoorgaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	167'04	?
	Cooch Behar	Bhawanigunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'16	123'00	62'14
		(Gyabanda)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'11	96'56	74'08
		Rungpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'16	95'59	72'66
		Kurigram	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
	Darjeeling Hill	Bagdogra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'03	111'28	83'88
		(Nilphamari)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	97'32	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'10	156'26	116'73
		Julpigoree	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	187'47	?
	North Bhagulpore	Atipore Doar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	146'30	?
		Fallacotta	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	115'70	?
		Debiganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Bhagatpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	182'64	?
	Durbhunga	(Nagrakatta)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'05	128'65	94'47
		Dinhata	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'08	169'87	117'99
		Cooch Behar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'07	146'35	104'92
		Mickilgunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'07	171'61	111'93
	Mozufferpore	Matabhanga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'30	210'94	101'24
		Buxa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'32	178'39	102'31
		Silliguri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'08	150'24	107'80
		Darjeeling	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'20	123'00	77'29
	Purneah	Kalimpong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'24	102'78	?
		Kurseong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Kissengunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'06	105'38	69'08
		Arraerah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'05	83'78	63'16
	North Bhagulpore	Purneah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'09	59'36	61'09
		Gondwara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Balarampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	100'45	?
		Motiari	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	63'99	?
	Durbhunga	Kaliaganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	118'55	?
		Maddapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'06	61'61	49'02
		Sopool	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'04	63'21	47'62
		Protaganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	49'30	?
	Mozufferpore	Tajpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'10	81'70	42'43
		Durbhunga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'07	55'56	46'15
		Madhubani	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'03	62'61	44'23
		Bahera	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	52'53	?
	Mozufferpore	Koshera	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50'42	?
		Sitamarhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'01	52'96	42'88
		Mozufferpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'10	56'13	44'70
		Hajipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0'14	48'00	41'28
	Mozufferpore	Pura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	70'81	?
		Mahua	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	44'79	?
		Sikhar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	53'18	?
		Pupri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50'19	?

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 5th of December 1890—concl.

Meteorological Division.	District.	Station.	RAINFALL.						TOTAL		Total rain-fall since 1st of November.	Average total rain-fall from 1st of November.	Total rain-fall since 15th May 1890.	Average rainfall from 15th May to date.
			Saturday, 28th November.	Sunday, 29th November.	Monday, 1st December.	Tuesday, 2nd December.	Wednesday, 3rd December.	Thursday, 4th December.	Friday, 5th December.	Number rainy days.	Rainfall week.			
NORTH BEHAR—concluded.	Chumpanan...	Motihari	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.02	72.06	44.92
		Bettiah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.01	64.89	47.32
		Bughra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	58.36	?
SOUTH BEHAR	Sarun	Gopalgunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.14	52.67	42.45
		Sawan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.12	50.84	43.19
		Chuprah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.29	48.27	39.98
	Shahabad	Buxar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	52.47	41.58
		Dehree	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.24	43.14	39.39
		Bhaboosah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.52	41.11	40.58
		Sasseran	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.24	44.19	39.92
		Arrah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	66.96	39.48
		Mohaniah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	36.07	?
	Gya	Aurangabad...	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.22	59.49	41.91
		Gya	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.27	60.04	41.93
		Nowadah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	54.84	39.17
		Jehanabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.28	53.35	40.33
		Arwal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	55.43	?
		Daudnagar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	29.85	?
		Sherrghati	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	36.81	?
	Patna	Rajauli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	45.00	?
		Pakri Barawan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	54.24	?
		Patna	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.15	50.02	41.25
CHUTTA NAGPUR.	Monghyr	Dimpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.13	52.13	40.80
		Behar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.24	46.95	41.15
		Bickram	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.24	43.25	39.20
	South Bhagulpore.	Hilsa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	56.35	?
		Begooesari	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.32	44.29	39.35
		Monohyr	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.13	54.84	43.32
	South Bhagulpore.	Jamui	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.10	60.22	42.50
		Gogri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	70.44	?
		Sheikpura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	47.70	?
	South Bhagulpore.	Bhagulpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.32	59.77	41.07
		Banka	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.14	42.11	43.18
		Kelgaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	62.06	?
	Sonthal Pergunnahs.	Bongaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Rajmahal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.16	56.80	51.94
		Godda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.15	50.75	43.75
	Sonthal Pergunnahs.	Pakour	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.14	74.16	54.34
		Nya Doomba	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.23	74.22	51.39
		Deoghar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	40.43	40.75
	Sonthal Pergunnahs.	Jamtara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.15	76.43	47.75
		Mohasana	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	48.81	?
		Nanihat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.30	32.28	?
	Hazaribagh	Pachamba (Girdi)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.24	55.35	46.35
		Hazaribagh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.02	49.97	40.14
		Sontagurrah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.42	38.94	45.38
	Hazaribagh	Mahudi Hills	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.05	43.02	48.15
		Jhoomra Hills	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.48	50.80	50.90
		Barhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50.24	?
	Lohardugga	Chatra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	47.08	?
		Karagdeha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	57.34	?
		Ramghar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50.24	?
	Lohardugga	Lohardugga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.50	53.19	49.37
		Ranchi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.44	43.57	51.25
		Palamow	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.48	44.27	49.29
	Singbhoom	Silli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	43.85	?
		Balumat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.35	43.02	?
		Hossainabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	41.75	?
	Singbhoom	Garwah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	38.30	?
		Chyebassa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.32	33.94	50.71
		Chakradhar-pore.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	24.83	?
	Manbhoom	Ghatilla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	51.44	?
		Baharagura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50.33	?
		Purulia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.28	44.22	48.27
	Manbhoom	Gobindpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.21	38.84	44.35
		Kaghunath-pore.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.40	62.26	?
		Barrabhoom	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	44.15	?
	Manbhoom	Jhalda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	64.71	?
		Chas	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50.18	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 9th December 1890.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 5TH
OF DECEMBER 1890.**

THE meteorological changes during the week have again been of very slight importance. On November 29th, or the first day of the week, pressure was decidedly high, and was about 0.05 inch to 0.07 inch in excess of the normal. A fairly steady northerly wind current was blowing over the whole province except at a few stations in the west of Behar, where winds were southerly. Temperature was generally from one to two degrees below the normal except again at many of the stations in Behar, where excess temperature was registered. The sky was also practically clear, and no rain had fallen since the early part of the month. On the 30th November a somewhat rapid fall of the barometer took place which brought pressure almost to the normal amount. This was accompanied by a moderately large fall of temperature in North Bengal and a much smaller fall in all other districts except Chutia Nagpur, and on this day winds were northerly at almost all stations in the province. Humidity and cloud proportion remained to a great extent unchanged. A further and rather more rapid fall of pressure again took place on December 1st, the fall at many stations equalling seven and eight-hundredths of an inch, and thus pressure became for the first time for a considerable period rather largely below the normal. Temperature also fell slightly on the 1st at all stations except those in Behar and Chutia Nagpur, and while the stations in the west of the province showed a temperature considerably in excess of the normal, at the eastern stations there was a very decided defect. On the 2nd pressure had commenced to rise by from two to four-hundredths of an inch, while temperature was generally rising by small amounts; these changes continued, but by rather variable amounts, on the 3rd and on the 4th, though on the 5th pressure and temperature began to fall rapidly, and by the end of the week pressure was from about 0.02 inch to 0.04 inch in defect of the normal in all districts except over part of Behar, where defect was larger than this. Temperature also on the 4th was decidedly in excess of the normal in all districts except South and South-East Bengal, where a defect was registered. The excess on the 5th was large at many of the Behar and Chutia Nagpur stations, and at Chupra, Buxar, Arrah, Dehree, and Ranchee the excess varied from 5° to 7°. Towards the end of the week also the northerly wind current had rapidly decreased in force, and on the 4th westerly and in some cases south-westerly winds were reported in Behar, Chutia Nagpur, and even over large parts of Central and part of East Bengal. Cloud proportion also commenced to increase rather rapidly at a considerable number of stations, though no rainfall of any kind was reported, except slight showers of no practical importance, from one or two stations in the Darjeeling Hills district. The changes therefore during the present week have been decidedly more marked than they were in the week ending November 28th, but still conditions have on the whole been very settled and weather has been fine.

Pressure.—The mean pressure for the week has not been very far removed from the normal, the variations being as a rule not larger than one or two-hundredths of an inch. At most of the stations in Orissa, South-West Bengal and East Bengal, pressure has been in excess, but in the other districts it has generally been in defect.

Temperature.—The mean temperature for the week has been nearly normal in Orissa, South-West and North Bengal, but it has been 2.2° below it in East Bengal. In Behar and Chutia Nagpur, on the other hand, temperature has been in excess of the normal by from 2° to 3°.

The distribution of temperature during the week and its variation from the normal are best seen in the table below, where the average maximum, minimum, and mean temperatures for the week at nine typical stations in different districts of the province are compared with their normal values for the same period. The variations, it will be seen, have been considerable both in the day and night temperatures, though the night temperatures of these nine stations on the whole are below the normal, while the day temperature, are considerably above it:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending the 5th of December 1890.

	Normal mean maximum temperature for the week ending 5th December 1890.	Actual mean maximum temperature for the week ending 5th December 1890.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 5th December 1890.	Actual mean minimum temperature for the week ending 5th December 1890.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 5th December 1890.	Actual mean daily temperature for the week ending 5th December 1890.	Variation of actual mean from the normal.
Cuttack	83.3	83.2	-0.1	60.0	60.1	+0.1	71.7	71.7	0
Calcutta	78.2	77.3	-0.9	59.4	59.9	+0.5	68.8	67.1	-1.7
Dacca	81.5	79.0	-2.5	60.2	57.8	-2.4	70.9	68.4	-2.5
Burdwan	79.0	79.3	+0.3	54.4	58.8	+4.4	69.2	69.1	-0.1
Patna	76.0	77.1	+1.1	53.5	56.9	+3.4	65.2	67.0	+1.8
Gya	77.8	79.2	+1.4	52.6	56.0	+3.4	65.2	67.6	+2.4
Purneah	78.6	76.7	-1.9	62.7	54.0	-8.7	65.7	65.7	0
Hazaribagh	72.9	75.7	+2.8	53.3	54.5	+1.2	62.6	65.1	+2.5
Darjeeling	61.7	50.2	-11.5	38.3	38.7	+0.4	45.0	44.5	-0.5

Rainfall.—With the exception of a few drops of rain at Siliguri and Buxa in the Darjeeling Hills district, the whole province has been rainless throughout the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 5th of December 1890 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of November.		Since 15th May 1890.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	84.3	55.5	80.5	60.1	70.3	-0.2	Nil	0.21	-0.21	0.0	0.3	-0.3	1.50	1.40	63.27	52.73
South-West Bengal ...	82.3	53.1	78.9	57.5	68.2	-0.4	Nil	0.06	-0.06	0.0	0.1	-0.1	0.17	0.30	56.85	51.39
East Bengal	82.2	53.0	77.8	56.5	67.2	-2.2	Nil	0.17	-0.17	0.0	0.2	-0.2	0.17	1.24	71.42	73.83
North Bengal	79.1	51.9	76.8	55.9	66.4	-0.3	Nil	0.06	-0.06	0.0	0.1	-0.1	0.22	0.22	95.09	68.89
North Behar	78.4	50.9	77.1	56.1	66.6	+1.7	Nil	Nil	Nil	0.0	0.0	0	Nil	0.08	64.38	47.98
South Behar	81.3	53.0	78.2	55.8	67.0	+2.3	Nil	0.02	-0.02	0.0	0.1	-0.1	0.09	0.23	54.66	43.20
Chutia Nagpur	79.0*	50.5*	76.2*	53.4	64.8*	+2.0*	Nil	0.04	-0.04	0.0	0.1	-0.1	0.02	0.38	46.00	48.32

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL ;
The 9th December 1890.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.